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# **SURFACE OBSERVATION CLIMATIC SUMMARIES**

FOR

## **FORT RILEY (MARSHALL AAF), KANSAS**

*Prepared by*

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

**OCTOBER 1991**

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**91-16974**



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REPORT DOCUMENTATION PAGE

2. REPORT DATE: OCTOBER 1991
3. REPORT TYPE AND DATES COVERED: DATA SUMMARY, MARCH 1939 TO DECEMBER 1990
4. TITLE AND SUBTITLE: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR FORT RILEY/MARSHALL AAF, KANSAS
7. PERFORMING ORGANIZATION NAME AND ADDRESS: OPERATING LOCATION A, USAFETAC, FEDERAL BUILDING, ASHEVILLE, NC 28801-2723
8. PERFORMING ORGANIZATION REPORT NUMBER: USAFETAC/DS-91/256
9. SPONSORING/MONITORING AGENCY NAME AND ADDRESS: USAF ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER (USAFETAC), SCOTT AFB, IL 62225-5438
11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, FORT RILEY/MARSHALL AAF, KANSAS, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
15. NUMBER OF PAGES: 375
17. SECURITY CLASSIFICATION OF REPORT: UNCLASSIFIED
18. SECURITY CLASSIFICATION OF THIS PAGE: UNCLASSIFIED
19. SECURITY CLASSIFICATION OF ABSTRACT: UNCLASSIFIED
20. LIMITATION OF ABSTRACT: UL

DTIC STANDARD FORM 298

#### PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JAN 81 - DEC 90 (AIRWAYS).

SUMMARY OF DAY DATA: MAR 39 - JAN 46, SEP 47 - MAY 50, AUG 56 - JUL 71,  
JUL 74 - DEC 90 (FULL TIME).

SUMMARY OF DAY DATA: JUL 46 - AUG 47, FEB 56 - JUL 56, AUG 71 - JUN 74 (PART TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).





PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAAA	RRRRRRRRR	TTTTTTTTTT	AAAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	AAAAAAAAAA
PP	AAAAAAAAAA	RR RR	TT	AAAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		2.0	.3	4.7		7.1	9.6	.6	.1		17.4	930
03-05	.1	1.8	.3	5.4		7.5	10.8	.2			18.5	930
06-08		1.5	.4	4.9		6.9	11.6	.2	.2		18.9	930
09-11		1.1	.2	5.6		6.9	12.6	1.4	.4		21.3	930
12-14		1.2	.2	5.3		6.7	9.6	2.0	.5		18.8	930
15-17		2.5	.2	4.5		7.2	7.3	2.2	.5		17.2	930
18-20		1.6	.5	4.6		6.8	7.6	1.0	.6		16.0	930
21-23		1.6	.3	4.6		6.6	8.0	.3	.4		15.3	930
ALL HOURS	.0	1.7	.3	5.0		6.9	9.6	1.0	.4		17.9	7440

MONTH: FEB

00-02	.2	5.1	1.2	5.6		11.8	17.6		.9		30.4	846
03-05		4.3	.9	5.2		10.4	20.4	.2	.9		32.0	846
06-08		5.0	.5	5.4		10.9	22.5	1.2	.8		35.3	846
09-11	.1	5.2	.2	6.6		12.1	20.2	1.8	1.1		35.1	846
12-14	.1	5.6	.5	6.9		12.9	15.6	2.0	1.2		31.7	846
15-17		4.7	.4	6.9		11.9	13.4	2.1	1.1		28.5	846
18-20	.1	5.4	.2	6.6		12.3	13.6	1.2	.9		28.0	846
21-23		4.8	1.5	5.8		12.2	14.9	.1	.7		27.9	846
ALL HOURS	.1	5.0	.7	6.1		11.8	17.3	1.1	1.0		31.1	6768

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.8	11.4	.3	3.5		15.3	15.2	.5			31.0	930
03-05	1.0	9.1	.3	3.4		12.9	16.3	.1	.1		29.5	930
06-08	.6	7.5	.4	4.0		11.9	22.0	1.0			34.9	930
09-11	.3	7.3	.3	4.5		12.2	16.3	3.9		.1	32.5	930
12-14	.6	7.7	.6	3.5		11.9	11.2	3.1	.1	.6	27.0	930
15-17	.8	8.2	.5	3.3		12.0	9.0	2.9		.5	24.5	930
18-20	1.0	7.6	.3	3.0		11.0	10.4	2.8		.3	24.5	930
21-23	1.8	11.0	.6	3.3		14.9	11.9	1.2			28.1	930
ALL HOURS	.9	8.7	.4	3.6		12.8	14.1	1.9	.0	.2	29.0	7440

MONTH: APR

00-02	1.8	9.7		1.1		10.8	7.2	1.0			19.0	900
03-05	1.1	7.9		1.2		9.1	10.7	.4	.1		20.3	900
06-08	.3	7.0		1.1	.1	8.2	16.3	1.6			26.1	900
09-11	.6	7.6		.7	.1	8.3	8.4	1.8			18.6	900
12-14	.9	7.7		.8	.1	8.6	4.7	1.2			14.4	900
15-17	.9	8.7		.3		9.0	5.3	1.9		.3	16.6	900
18-20	1.8	9.8		.8	.1	10.7	6.6	2.1		.1	19.4	900
21-23	1.2	9.2		1.0	.1	10.3	6.2	1.1			17.7	900
ALL HOURS	1.1	8.4		.9	.1	9.4	8.2	1.4	.0	.1	19.0	7200

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	3.9	9.8				9.8	10.5	1.8			22.2	930
03-05	2.9	7.8				7.8	18.7	1.2			27.7	930
06-08	3.2	10.4				10.4	25.3	2.3			38.0	930
09-11	2.8	8.2			.1	8.3	9.5	3.7			21.4	930
12-14	2.0	7.0				7.0	5.4	2.8			15.2	930
15-17	2.5	8.3			.1	8.4	4.0	1.9			14.3	930
18-20	3.7	7.1				7.1	2.9	1.6			11.6	930
21-23	3.9	8.6			.2	8.8	6.1	2.3			17.2	930
ALL HOURS	3.1	8.4			.1	8.5	10.3	2.2			20.9	7440

MONTH: JUN

00-02	4.4	6.7				6.7	5.2	1.4			13.3	900
03-05	5.1	7.6			.1	7.7	12.0	1.6			21.2	900
06-08	3.6	7.2				7.2	13.9	3.1			24.2	900
09-11	1.3	4.9				4.9	5.9	5.1			15.9	900
12-14	2.3	5.8			.1	5.9	2.6	4.4			12.9	900
15-17	2.8	4.7				4.7	2.3	4.4			11.4	900
18-20	3.4	6.8				6.8	3.0	3.8			13.6	900
21-23	5.2	7.9				7.9	4.7	2.1			14.7	900
ALL HOURS	3.5	6.4			.0	6.5	6.2	3.3			15.9	7200

A - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	3.0	4.6				4.6	3.9	2.7			11.2	930
03-05	4.9	6.6				6.6	10.0	2.8			19.4	930
06-08	2.7	4.4				4.4	15.5	6.2			26.1	930
09-11	.9	3.1				3.1	3.1	7.5			13.8	930
12-14	1.6	2.7				2.7	.9	7.2			10.8	930
15-17	1.8	2.6				2.6	1.0	5.5			9.0	930
18-20	2.5	2.8				2.8	1.7	5.3			9.8	930
21-23	2.4	2.5				2.5	2.4	2.9			7.7	930
ALL HOURS	2.5	3.7				3.7	4.8	5.0			13.5	7440

MONTH: AUG

00-02	5.2	6.6				6.6	9.9	4.4		.1	21.0	930
03-05	4.3	8.6				8.6	16.3	5.1			30.0	930
06-08	3.1	6.5				6.5	21.3	7.5			35.3	930
09-11	1.1	4.4				4.4	8.9	10.0			23.3	930
12-14	.8	3.5				3.5	1.9	9.9			15.4	930
15-17	1.9	3.3				3.3	.1	8.4			11.8	930
18-20	4.2	3.7				3.7	1.1	7.6		.1	12.5	930
21-23	5.3	5.5				5.5	6.2	4.6			16.3	930
ALL HOURS	3.2	5.3				5.3	8.2	7.2		.0	20.7	7440

A - 2 - 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	3.6	5.6				5.6	7.7	2.1			15.3	900
03-05	4.7	7.9				7.9	9.8	2.1			19.8	900
06-08	2.0	7.3				7.3	15.8	4.2		.1	27.4	900
09-11	.7	6.6				6.6	6.4	7.0		.2	20.2	900
12-14	.2	5.0				5.0	4.4	7.0		.3	16.8	900
15-17	1.2	5.1				5.1	3.2	6.9		.3	15.6	900
18-20	2.4	4.9				4.9	3.7	4.9		.2	13.7	900
21-23	2.8	5.2				5.2	4.9	1.7			11.8	900
ALL HOURS	2.2	5.9				5.9	7.0	4.5		.2	17.6	7200

MONTH: OCT

00-02	1.8	9.8				9.8	12.9	.1			22.8	930
03-05	1.9	10.4				10.4	16.5				26.9	930
06-08	.8	9.5				9.5	21.5	.9			31.8	930
09-11	.8	7.3				7.3	15.7	3.2			26.2	930
12-14	.8	6.9			.1	7.0	8.3	3.4			18.7	930
15-17	.1	6.2				6.2	6.7	2.7		.1	15.7	930
18-20	.6	6.1				6.1	6.6	1.8		.2	14.7	930
21-23	.6	8.3				8.3	8.4	.5			17.2	930
ALL HOURS	.9	8.1			.0	8.1	12.1	1.6		.0	21.8	7440

A - 2 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		6.8	.4	1.3		8.6	9.3				17.9	900
03-05	.2	7.2	.6	1.9		9.7	13.9	.1	.1		23.8	900
06-08	.2	8.0	.7	2.4		11.1	18.8	.7	.1		30.7	900
09-11		7.2	.9	2.4		10.6	16.0	2.4			29.0	900
12-14	.2	6.6	.7	2.4		9.7	10.9	1.7			22.2	900
15-17		7.1	.1	2.9		10.1	9.2	.4			19.8	900
18-20	.1	6.3	.3	1.8		8.4	8.8	.1		.1	17.4	900
21-23	.4	5.9	.4	2.0		8.3	7.8			.1	16.2	900
ALL HOURS	.2	6.9	.5	2.2		9.6	11.8	.7	.0	.0	22.1	7200

MONTH: DEC

00-02		3.9	1.0	3.9		8.8	14.3	.8	.7		24.5	880
03-05		3.2	.6	4.2		8.0	13.4	.3	.1		21.8	879
06-08		3.3	1.2	5.9		10.5	16.9	.1	.1		27.6	899
09-11	.1	3.2	1.9	6.8		11.9	17.6	1.7			31.1	909
12-14		3.0	1.2	6.4		10.6	12.8	3.1	.1		26.6	907
15-17		3.5	1.3	6.9		11.7	10.8	3.3			25.9	897
18-20		3.2	1.8	6.7		11.7	12.1	.9	.9		25.6	879
21-23		2.6	2.0	5.7		10.4	13.1	1.0	1.0		25.5	879
ALL HOURS	.0	3.2	1.4	5.8		10.4	13.9	1.4	.4		26.1	7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	1.7	.3	5.0		6.9	9.6	1.0	.4		17.9	7440
FEB	.1	5.0	.7	6.1		11.8	17.3	1.1	1.0		31.1	6768
MAR	.9	8.7	.4	3.6		12.8	14.1	1.9	.0	.2	29.0	7440
APR	1.1	8.4		.9	.1	9.4	8.2	1.4	.0	.1	19.0	7200
MAY	3.1	8.4			.1	8.5	10.3	2.2			20.9	7440
JUN	3.5	6.4			.0	6.5	6.2	3.3			15.9	7200
JUL	2.5	3.7				3.7	4.8	5.0			13.5	7440
AUG	3.2	5.3				5.3	8.2	7.2		.0	20.7	7440
SEP	2.2	5.9				5.9	7.0	4.5		.2	17.6	7200
OCT	.9	8.1			.0	8.1	12.1	1.6		.0	21.8	7440
NOV	.2	6.9	.5	2.2		9.6	11.8	.7	.0	.0	22.1	7200
DEC	.0	3.2	1.4	5.8		10.4	13.9	1.4	.4		26.1	7129
ANNUAL	1.5	6.0	.3	1.9	.0	8.2	10.2	2.6	.1	.0	21.2	87337



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.6	17.4	5.2	26.4		37.3	29.5	9.0	3.6		48.9	1217
FEB	1.8	23.1	5.3	25.0	.1	40.5	35.7	10.0	3.2		53.4	1122
MAR	7.0	33.5	1.9	17.0	1.1	42.9	31.1	9.0	1.7	.2	51.6	1232
APR	14.4	42.3	.1	3.7	2.1	43.0	25.7	7.9	.2	.1	51.7	1188
MAY	24.9	49.3		.2	2.5	49.4	31.5	7.7			62.1	1221
JUN	29.5	44.9			1.7	44.9	22.7	8.7			56.7	1168
JUL	25.1	35.6			.6	35.6	18.6	10.1			48.0	1182
AUG	21.1	36.0			.7	36.2	22.6	12.8			50.1	1203
SEP	19.8	36.2			.2	36.2	28.9	10.0		.1	51.7	1175
OCT	10.5	30.2		.7	.6	30.5	27.0	6.7		.1	42.8	1195
NOV	3.3	26.8	1.8	11.0	.6	32.5	29.1	6.8	.4	.1	44.3	1177
DEC	.9	22.7	4.8	19.3	.1	35.9	31.2	7.0	2.3		47.7	1222
ANNUAL	13.2	33.2	1.6	8.6	.9	38.7	27.8	8.8	1.0	.0	50.7	14302

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02		.2	.8	1.8	3.9	4.4	3.0	5.2	3.6	1.8		
03-05	.1		1.0	1.1	2.9	5.1	4.9	4.3	4.7	1.9	.2	
06-08			.6	.3	3.2	3.6	2.7	3.1	2.0	.8	.2	
09-11		.1	.3	.6	2.8	1.3	.9	1.1	.7	.8		.1
12-14		.1	.6	.9	2.0	2.3	1.6	.8	.2	.8	.2	
15-17			.8	.9	2.5	2.8	1.8	1.9	1.2	.1		
18-20		.1	1.0	1.8	3.7	3.4	2.5	4.2	2.4	.6	.1	
21-23			1.8	1.2	3.9	5.2	2.4	5.3	2.8	.6	.4	
ALL HOURS	.0	.1	.9	1.1	3.1	3.5	2.5	3.2	2.2	.9	.2	.0
TOTAL OBS	7440	6768	7440	7200	7440	7200	7440	7440	7200	7440	7200	7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 149	150 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS			100.0					1
LIQUID PRECIP	14.6		20.3	15.4	14.6	18.7	16.3	123
FREEZING PRECIP	4.2		58.3	33.3	4.2			24
FROZEN PRECIP	10.5		49.7	18.4	.5	3.0	17.8	370
FOG	22.1		30.9	13.0	5.3	12.4	16.2	715
FOG WITH VIS GE 1/2 MILES	22.1		30.9	12.9	5.5	12.4	16.2	696
TOTAL OBS	1482	0	1311	450	385	2428	1384	7440

MONTH: FEB HOURS: ALL

TSTMS	20.0		40.0			20.0	20.0	5
LIQUID PRECIP	5.7		58.5	16.4	4.5	3.0	11.9	335
FREEZING PRECIP	6.4		85.1		4.3		4.3	47
FROZEN PRECIP	3.3		63.1	4.9	2.1	3.5	23.1	425
FOG	19.6		44.6	9.6	4.0	7.8	14.6	1160
FOG WITH VIS GE 1/2 MILES	16.7		45.9	9.9	4.2	7.8	15.4	1088
TOTAL OBS	1304	0	1832	545	473	1431	1183	6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 149	150 - 189	190 - 269	270 - 359	NO OF OBS
TSIMS	1.6		39.1	25.0	9.4	17.2	7.8	64
LIQUID PRECIP	7.3		34.6	27.2	8.4	8.3	14.2	604
FREEZING PRECIP			80.0	17.1			2.9	35
FROZEN PRECIP	6.7		57.5	7.8	.4	.7	26.9	268
FOG	12.6		37.6	23.7	5.4	9.6	11.2	1040
FOG WITH VIS GE 1/2 MILES	12.0		38.1	23.8	5.3	9.6	11.3	1022
TOTAL OBS	1014	0	1725	980	791	1673	1257	7440

MONTH: APR HOURS: ALL

TSIMS	2.5		29.6	32.1	9.9	18.5	7.4	81
LIQUID PRECIP	2.7		45.5	21.9	6.6	8.1	15.2	558
FREEZING PRECIP								
FROZEN PRECIP			67.2	3.1		1.6	28.1	64
FOG	13.6		42.6	20.0	6.8	7.5	9.5	589
FOG WITH VIS GE 1/2 MILES	13.2		42.3	20.5	6.6	7.7	9.7	575
TOTAL OBS	1027	0	1429	829	868	1734	1313	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 149	150 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	5.6		26.9	32.5	10.7	12.0	12.4	234
LIQUID PRECIP	9.0		31.4	27.9	10.7	7.9	13.1	458
FREEZING PRECIP								
FROZEN PRECIP								
FOG	29.1		28.7	20.6	7.0	5.5	9.0	766
FOG WITH VIS GE 1/2 MILES	27.7		29.4	21.2	7.2	5.4	9.1	746
TOTAL OBS	1176	0	1461	1253	1282	1396	872	7440

MONTH: JUN HOURS: ALL

TSTMS	5.9		23.0	24.2	14.8	17.2	14.8	256
LIQUID PRECIP	13.2		25.7	22.1	13.9	15.7	9.3	280
FREEZING PRECIP								
FROZEN PRECIP								
FOG	31.6		28.0	20.2	8.1	7.6	4.5	446
FOG WITH VIS GE 1/2 MILES	30.3		29.1	20.8	8.3	7.3	4.3	423
TOTAL OBS	1266	0	1144	1180	1514	1492	604	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 149	150 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	3.3		26.1	20.7	10.3	24.5	15.2	184
LIQUID PRECIP	12.1		33.6	19.5	10.1	14.1	10.7	149
FREEZING PRECIP								
FROZEN PRECIP								
FOG	34.0		30.0	14.0	4.9	11.7	5.4	350
FOG WITH VIS GE 1/2 MILES	33.8		29.8	14.2	4.9	11.8	5.5	346
TOTAL OBS	1101	0	1229	1041	1685	2007	377	7440

MONTH: AUG HOURS: ALL

TSTMS	8.3		24.6	21.3	16.7	17.9	11.3	240
LIQUID PRECIP	13.9		22.6	26.1	10.9	17.4	9.1	230
FREEZING PRECIP								
FROZEN PRECIP								
FOG	30.1		28.8	22.3	5.5	9.3	2.9	611
FOG WITH VIS GE 1/2 MILES	28.4		29.2	20.4	6.9	9.5	2.7	582
TOTAL OBS	1238	0	1399	1358	1452	1634	359	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 149	150 - 189	190 - 269	270 - 359	NO OF OBS
TSTMS	7.0		37.3	14.6	14.6	15.8	10.8	158
LIQUID PRECIP	11.7		46.5	16.3	8.0	8.9	8.6	325
FREEZING PRECIP								
FROZEN PRECIP								
FOG	22.3		31.2	19.7	12.3	10.5	4.0	503
FOG WITH VIS GE 1/2 MILES	21.5		31.8	19.8	12.3	10.5	4.0	494
TOTAL OBS	1482	0	1307	876	1339	1616	580	7200

MONTH: OCT HOURS: ALL

TSTMS	2.9		25.7	17.1	27.1	22.9	4.3	70
LIQUID PRECIP	8.7		40.1	14.0	10.7	11.3	15.2	551
FREEZING PRECIP								
FROZEN PRECIP								
FOG	24.8		29.1	15.3	7.8	10.9	12.1	896
FOG WITH VIS GE 1/2 MILES	21.8		30.5	16.1	8.2	11.2	12.2	852
TOTAL OBS	1537	0	1567	599	1135	1710	892	7440

A - 5 - 5

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 149	150 - 189	190 - 269	270 - 359	NO OF OBS
TSIMS	18.2		18.2		18.2	27.3	18.2	11
LIQUID PRECIP	8.2		47.8	7.4	7.8	13.6	15.2	487
FREEZING PRECIP	5.4		62.2	16.2			16.2	37
FROZEN PRECIP	5.7		35.2	.6	.6	2.5	55.3	159
FOG	19.8		39.4	6.4	5.9	14.2	14.4	850
FOG WITH VIS GE 1/2 MILES	19.3		39.7	6.5	6.0	13.8	14.6	833
TOTAL OBS	1359	0	1399	462	797	1962	1221	7200

MONTH: DEC HOURS: ALL

TSIMS					100.0			1
LIQUID PRECIP	15.3		39.7	6.6	6.6	24.5	7.4	229
FREEZING PRECIP	7.1		74.7	7.1		2.0	9.1	99
FROZEN PRECIP	7.1		52.1	9.9	1.7	2.6	26.7	424
FOG	21.3		39.4	7.0	3.9	14.2	14.3	987
FOG WITH VIS GE 1/2 MILES	19.7		40.3	6.8	4.0	14.6	14.6	930
TOTAL OBS	1380	0	1462	391	404	2140	1352	7129



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360 - 069	070 - 149	150 - 189	190 - 269	270 - 359	NO OF OBS
TSMS	5.6		27.6	23.3	13.9	17.7	12.0	1305
LIQUID PRECIP	8.9		39.2	18.9	8.9	11.1	12.9	4329
FREEZING PRECIP	5.4		74.0	11.2	1.2	.8	7.4	242
FROZEN PRECIP	6.4		54.2	9.1	1.2	2.6	26.6	1710
FOG	22.2		35.3	15.3	6.1	10.2	10.9	8913
FOG WITH VIS GE 1/2 MILES	20.8		35.9	15.6	6.3	10.2	11.1	8587
TOTAL OBS	15366	0	17265	9964	12125	21223	11394	87337

A - 5 - 7



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBB

## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	64.1	60.9	58.2	56.6	51.9	54.5	66.2	64.1	63.4	68.8	68.7	65.5	62.0
TRACE	17.5	19.4	16.7	13.4	16.3	11.7	9.2	10.7	10.7	9.4	12.6	17.0	13.7
.01	2.2	2.1	2.0	2.2	1.7	2.7	2.3	1.8	1.8	1.7	1.5	2.3	2.0
.02-.05	6.2	5.3	6.0	6.8	6.0	5.7	4.4	4.3	4.2	3.5	5.2	4.6	5.2
.06-.10	2.8	4.0	3.2	3.6	2.8	3.5	2.7	3.2	3.2	3.1	2.8	2.9	3.1
.11-.25	4.0	3.5	5.0	6.4	6.1	5.4	3.6	4.0	4.8	3.4	4.0	4.0	4.5
.26-.50	2.1	3.1	4.7	5.3	6.1	5.0	3.7	4.0	5.1	4.2	2.2	2.0	4.0
.51-1.00	1.1	1.5	2.4	3.8	5.5	5.2	4.3	4.3	3.2	3.3	1.8	1.3	3.1
1.01-2.50	.2	.2	1.8	1.6	3.0	5.5	3.1	3.3	3.2	2.1	1.1	.5	2.1
2.51-5.00				.1	.6	.8	.6	.4	.5	.4	.1		.3
5.01-10.00				.1						.1			.0
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	18.5	19.7	25.1	29.9	31.9	33.9	24.6	25.2	26.0	21.8	18.7	17.5	24.4
TOTAL NO. OF OBSERVATIONS	1392	1241	1393	1346	1372	1311	1396	1416	1378	1411	1377	1404	16437

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			1.36	1.70	3.48	5.48	.53	4.56	.36	1.10	1.23	.63	20.43*
40	1.18	1.53	.40	1.52	1.84	.79	TRACE	3.34	1.97	1.30	2.99	TRACE*	16.86*
41	1.67	.59	1.68	2.19	5.04	2.65*	1.65	4.13	5.58	9.65	.31	1.41	36.55*
42	.28	.85	1.19	2.91	7.77	6.46	1.15	3.66	8.95	1.77	.45	1.40	36.84
43	1.20	1.05	.57	2.36	2.56	9.73	4.76	1.65	4.00	2.12	.19	1.95	32.14
44	.30	.71	4.01	12.60	2.84	5.12	4.79	8.56	2.66	1.03	2.30	2.90	47.82
45	.64	1.22	1.27	6.10	4.32	7.10	7.80	3.79	5.14	.41	.09	.57	38.45
46	1.06						1.24	3.95	3.91	3.85	1.62	.66	16.29*
47	.99	.21	1.86	1.23*	1.74	.91	.35*	.95*	.04	1.40	.70	2.35	12.73*
48	.22	2.13	2.55	2.39	1.99	10.30	9.76	1.51	.85	1.79	1.66	.45	35.60
49	4.67	.91	2.88	2.73	4.18	4.21	1.31	3.25	1.94	1.24	.24	1.07	28.63
50	.21	.75	1.48	1.66	.75*								4.85*
56		*	*	*	*	*	.03*	3.65	.77	1.80	1.20	.58	8.03*
57	.21	.29	2.73	3.53	6.93	5.18	5.00	2.15	3.75	3.51	1.90	.86	36.04
58	1.07	1.53	2.05	1.28	2.51	6.49	10.81	4.26	5.52	1.55	.46	1.06	38.59
59	.68	.46	1.88	1.51	7.90	3.05	6.47	4.58	3.50	5.27	.47	.84	36.61
60	2.13	1.97	2.32	1.75	2.44	5.29	3.62	4.63	2.78	3.03	.04	1.58	31.58
61	.08	1.17	2.75	3.39	7.90	5.86	3.79	1.10	6.73	6.00	2.10	.76	41.63
62	.96	1.02	2.29	.68	6.52	4.03	2.43	5.21	7.08	2.56	1.58	.44	34.80
63	.63	.05	1.79	1.15	1.85	6.59	2.05	1.38	2.55	2.24	1.19	.36	21.83
64	.64	.71	2.92	5.69	2.62	5.20	8.39	4.29	.74	.19	3.53	1.26	36.18
65	1.94	2.28	1.09	1.58	3.05	10.21	3.65	2.63	7.15	3.57	.19	2.47	39.81
66	.50	.84	.17	2.49	.76	.82	1.80	4.36	1.86	1.07	.06	.94	15.67
67	.29	.11	2.36	2.77	3.67	9.84	5.01	1.96	12.38	3.25	.41	1.46	43.51
68	.29	.29	.04	3.50	3.56	2.48	3.41	5.46	1.79	4.32	2.78	1.81	20.73
69	.79	.96	2.30	4.33	5.92	6.78	5.73	2.16	2.36	5.18	.23	1.36	38.10
70	.43	.36	1.15	3.41	6.27	6.26	1.72	2.15	5.93	3.51	.61	.12	31.92
71	.53	2.14	.55	1.50	5.63	6.68	7.79	.00	1.21	5.00*	5.78	.40*	37.21*
72	.27	.19	1.04	4.76	3.14	2.84	6.43	3.39	1.72	1.86	3.81	.78	30.23
73	1.40	1.82	8.60	2.60	4.57	1.84	9.52	2.48	8.97	5.17	1.08	2.94	50.99
74	.45	.45	.96	3.32	2.47	3.43	1.90	5.27	1.97	4.89	.83	.88	26.82
75	1.47	1.57	1.50	2.01	4.04	6.37	.39	2.63	4.61	TRACE	4.36	.56	29.51

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.52	.51	2.35	5.26	4.50	6.41	2.63	.57	1.81	1.97	.22	TRACE	26.75
77	.86	.15	1.95	3.03	9.24	11.31	1.32	9.21	2.52	1.83	2.28	.13	43.83
78	.47	1.13	2.92	1.33	6.99	3.35	2.11	1.45	4.55	.31	3.34	.77	28.72
79	1.78	.44	4.43	2.27	3.28	3.96	6.61	1.28	1.34	7.55	1.69	TRACE	34.63
80	1.40	1.26	5.26	.87	2.27	1.31	2.24	2.39	1.06	3.04	.08	2.74	23.92
81	.33	.05	1.70	1.38	8.37	6.65	4.77	3.90	.63	3.14	5.49	.18	36.59
82	1.02	.82	1.98	1.27	5.74	7.11	4.87	3.74	1.57	1.44	1.31	2.26	33.13
83	1.53	1.14	3.41	3.58	4.40	5.19	.04	1.06	2.74	5.71	3.71	1.29	33.80
84	.31	1.26	4.75	4.98	2.92	10.57	1.06	2.85	4.50	1.79	.46	3.01	38.46
85	.74	1.86	1.15	5.13	4.91	7.10	3.71	6.03	5.72	4.54	1.33	.57	42.79
86	TRACE	1.41	1.87	2.59	8.76	7.19	3.93	9.35	6.74	5.16	.46	1.02	48.48
87	1.20	2.15	4.15	2.30	6.27	2.29	1.05	7.66	1.60	3.18	1.01	1.23	34.09
88	.38	.36	1.13	2.07	2.53	1.42	2.83	2.28	2.78	.19	1.04	.20	17.21
89	.83	.78	1.61	.35	1.55	3.61	1.71	6.11	5.99	2.94	TRACE	.70	26.18
90	.69	1.65	2.87	1.22	3.29	4.44	5.73	7.94	.59	1.06	1.71	.41*	31.60*
LEAST	TRACE	.05	.04	.35	.76	.79	TRACE	.00	.04	TRACE	TRACE	TRACE	15.67
GREATEST	4.67	2.28	8.60	12.60	9.24	11.31	10.81	9.35	12.38	9.65	5.78	3.01	50.99
MEAN	.87	.98	2.21	2.84	4.37	5.38	3.81	3.73	3.54	2.85	1.49	1.13	34.25
MEDIAN	.68	.88	1.88	2.38	3.86	5.29	3.52	3.65	2.70	2.24	1.14	.88	34.72
SD	.781	.642	1.530	2.053	2.214	2.789	2.780	2.255	2.689	2.061	1.457	.834	7.904
TOTAL OBS	1392	1241	1393	1346	1372	1311	1396	1416	1378	1411	1377	1404	16437

THE GREATEST VALUE OF 12.60 OCCURRED ON 04/44

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			.40	.44	1.59	1.45	.27	.97	.25	.84	1.23	.23	1.59*
40	.75	.50	.18	.40	.67	.45	TRACE	.94	1.46	.53	1.25	TRACE*	1.46*
41	.36	.29	1.00	.47	1.68	1.22*	.54	.97	1.85	3.50	.16	.52	3.50*
42	.25	.30	.97	.97	4.83	1.67	.50	1.10	3.44	1.12	.21	.80	4.83
43	.70	.96	.29	1.45	.60	3.86	1.80	.78	1.25	.97	.11	.75	3.86
44	.14	.30	1.10	5.22	1.65	1.39	2.61	4.76	2.16	.58	.58	1.13	5.22
45	.26	.69	.49	2.53	1.05	2.74	4.15	2.85	2.01	.23	.07	.35	4.15
46	.43						.68	1.63	1.55	1.70	1.00	.62	1.70*
47	.99	.14	1.38	.85*	1.00	.51	.31*	.50*	.02	.75	.47	1.54	1.54*
48	.15	.86	.81	.86	.77	2.35	3.10	.70	.37	.96	.79	.15	3.10
49	1.04	.64	1.33	1.32	1.42	1.52	.81	1.50	.78	.64	.24	.56	1.52
50	.14	.36	.47	.60	.42*								.60*
56		*	*	*	*	*	.03*	1.16	.57	.71	.65	.42	1.16*
57	.10	.22	.97	1.15	1.94	1.44	1.57	1.28	2.12	2.01	.85	.33	2.12
58	.55	.87	.53	.70	1.63	2.54	2.12	2.05	1.53	1.45	.18	.70	2.54
59	.27	.41	.73	.46	3.15	1.28	2.83	2.15	1.05	1.72	.29	.40	3.15
60	1.06	.64	.91	.64	.98	1.08	1.22	2.06	1.98	1.20	.03	.70	2.06
61	.08	.56	.98	1.13	2.25	1.19	1.52	.50	3.67	2.68	1.24	.33	3.67
62	.30	.23	1.70	.34	3.90	1.12	.95	2.10	1.72	.54	.62	.24	3.90
63	.21	.05	1.26	.55	.55	4.23	.86	.99	1.72	.63	.60	.18	4.23
64	.28	.42	1.83	1.53	1.08	1.16	2.82	1.07	.41	.09	1.86	.75	2.82
65	1.04	.77	.50	.64	1.03	2.54	2.06	1.29	3.41	1.41	.16	1.37	3.41
66	.44	.42	.06	1.88	.53	.36	1.15	1.35	1.18	.56	.04	.80	1.88
67	.15	.06	1.18	1.09	1.16	3.70	1.21	.61	4.54	1.72	.29	.40	4.54
68	.15	.10	.04	.99	.99	.71	1.73	2.63	1.32	2.99	1.88	1.22	2.99
69	.19	.35	1.07	2.48	2.45	2.24	1.57	1.88	1.15	1.02	.09	.42	2.48
70	.40	.33	.46	1.42	2.77	1.71	1.32	1.20	1.34	1.19	.20	.09	2.77
71	.46	.79	.26	.78	2.76	1.94	2.53	.00	.69	2.88*	3.71	.12*	3.71*
72	.12	.08	.68	2.76	.75	2.45	2.24	1.35	.92	.46	1.21	.38	2.76
73	.60	1.50	1.43	.97	2.08	1.08	3.17	.81	3.33	2.65	.86	1.90	3.33
74	.15	.37	.78	1.72	.55	1.22	1.30	1.76	.93	1.33	.54	.64	1.76
75	.70	.49	.85	.83	1.00	1.55	.28	1.79	2.55	TRACE	1.76	.50	2.55

B - 2 - 3A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	.22	.42	1.37	1.73	1.37	4.72	1.55	.25	1.16	.68	.22	TRACE	4.72
77	.28	.08	1.58	.54	3.07	3.77	.90	1.67	.98	.98	1.03	.06	3.77
78	.20	.43	1.15	.34	2.92	2.80	.82	.65	1.92	.25	1.34	.35	2.92
79	.68	.24	1.04	.69	1.30	1.20	1.91	.53	1.28	5.57	1.39	TRACE	5.57
80	.62	.72	2.14	.28	1.05	1.01	1.34	.78	.56	1.13	.08	2.14	2.14
81	.30	.03	.59	.67	2.17	1.59	1.50	1.04	.39	1.41	2.14	.12	2.17
82	.40	.36	1.10	.73	1.02	2.16	2.25	1.27	.58	.88	.45	.95	2.25
83	.34	.45	1.54	1.18	1.81	1.83	.04	.50	1.38	2.01	1.26	.42	2.01
84	.19	.37	1.16	1.30	1.12	3.21	.89	2.23	2.54	.50	.33	1.73	3.21
85	.53	.93	.43	1.46	3.58	2.33	1.76	1.76	1.79	3.12	.45	.22	3.58
86	TRACE	.56	.52	.81	2.43	3.45	1.64	1.94	2.08	2.28	.20	.75	3.45
87	.52	1.40	1.33	1.61	2.36	1.02	.50	3.12	.99	1.09	.39	.64	3.12
88	.15	.20	.49	1.08	1.03	1.17	1.36	.71	1.37	.07	.75	.11	1.37
89	.53	.25	1.22	.21	.65	1.20	.50	2.25	1.84	1.55	TRACE	.43	2.25
90	.30	.51	1.33	.64	.79	1.41	2.29	4.49	.30	.46	1.36	.17*	4.49*

GREATEST	1.06	1.50	2.14	5.22	4.83	4.72	4.15	4.76	4.54	5.57	3.71	2.14	5.57
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TOTAL OBS	1392	1241	1393	1346	1372	1311	1396	1416	1378	1411	1377	1404	16437
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THE GREATEST VALUE OF 5.57 OCCURRED ON 10/30/79

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	73.3	73.5	82.2	96.1	99.8	100.0	100.0	100.0	100.0	99.3	89.0	79.7	91.1
TRACE	14.8	16.2	10.5	2.6	.2					.7	7.8	11.5	5.3
0.1-0.4	3.6	3.3	2.5	.2							.9	2.8	1.1
0.5-1.4	4.8	3.7	2.5	.6							.9	3.3	1.3
1.5-2.4	1.7	1.0	.6	.4							.9	1.1	.5
2.5-3.4	1.0	1.0	.9	.1							.3	.4	.3
3.5-4.4	.2	.5	.3	.1							.2	.8	.2
4.5-6.4	.5	.4	.3								.1	.3	.1
6.5-10.4	.2	.4	.2									.3	.1
10.5-15.4	.1												.0
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	11.9	10.3	7.3	1.3							3.3	8.9	3.6
TOTAL NO. OF OBSERVATIONS	1206	1071	1178	1136	1180	1128	1196	1199	1168	1194	1168	1196	14020

B - 3 - 1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			*	*	*	*	*	*	*	*	*	*	.0*
40	*	*	*	*	*	*	*	*	*	*	*	*	.0*
41	*	*	*	*	*	*	*	*	*	*	*	*	.0*
42	*	*	*	*	*	*	*	*	*	*	*	*	.0*
43	*	*	*	*	*	*	*	*	*	*	*	*	.0*
44	*	*	*	*	*	*	*	*	*	*	*	*	.0*
45	*	*	*	*	*	*	*	*	*	*	*	*	.0*
46	1.2						.0	.0	.0	.0	.0	.4	1.6*
47	9.9	1.7	3.5	.0*	.0	.0	.0*	.0*	.0	.0	1.4	11.1	27.6*
48	6.1	2.8	11.9	.0	.0	.0	.0	.0	.0	.0	.6	5.3	26.7
49	9.4	1.1	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.8	16.6
50	1.0	TRACE	6.7	TRACE	.0*								7.7*
56		*	*	*	.0*	.0*	.0*	.0	.0	.0	.6	3.9	4.5*
57	2.4	1.8	3.4	2.1	.0	.0	.0	.0	.0	TRACE	TRACE	1.0	10.7
58	6.3	3.6	3.7	.0	.0	.0	.0	.0	.0	.0	3.6	9.2	26.4
59	5.7	2.7	3.0	.8	.0	.0	.0	.0	.0	.0	3.4	1.5	17.1
60	6.0	21.7	17.5	TRACE	.0	.0	.0	.0	.0	.0	.1	3.6	48.9
61	1.0	7.2	6.8	1.2	.0	.0	.0	.0	.0	.0	2.7	7.2	26.1
62	5.5	4.0	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	3.5	13.4
63	6.9	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	.0	4.2	11.3
64	1.7	1.7	5.9	.0	.0	.0	.0	.0	.0	.0	1.2	4.9	15.4
65	5.2	11.7	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.8	24.2
66	.6	.6	1.1	.0	.0	.0	.0	.0	.0	.0	.0	10.5	12.8
67	1.7	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.8	5.8
68	3.3	4.2	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.7	8.2
69	2.8	6.0	3.4	.0	.0	.0	.0	.0	.0	.0	TRACE	10.1	22.3
70	5.2	TRACE	3.9	4.5	.0	.0	.0	.0	.0	TRACE	.2	.1	13.9
71	5.3	19.7	3.6	TRACE	.0	.0	.0	.0	.0	.0*	1.8	.3*	30.7*
72	2.3	3.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	5.1	4.6	15.2
73	13.2	6.3	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	11.7	31.2
74	2.6	.8	1.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.1	6.5
75	10.9	6.7	8.6	3.1	.0	.0	.0	.0	.0	.0	6.4	TRACE	35.7

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	5.2	.7	2.1	.0	.0	.0	.0	.0	.0	TRACE	2.2	TRACE	10.2
77	8.6	.4	TRACE	2.0	.0	.0	.0	.0	.0	.0	TRACE	.3	11.3
78	4.7	10.1	5.2	.0	TRACE	.0	.0	.0	.0	.0	2.4	6.2	28.6
79	11.0	2.4	4.3	1.6	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	19.3
80	2.3	11.5	9.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.4	27.8
81	1.9	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.9	3.3
82	2.9	7.1	TRACE	.6	.0	.0	.0	.0	.0	.0	3.3	4.1	18.0
83	12.2	6.0	2.8	3.7	.0	.0	.0	.0	.0	.0	5.4	13.6	43.7
84	3.5	TRACE	4.7	TRACE	.0	.0	.0	.0	.0	.0	.5	1.0	9.7
85	15.3	2.8	2.0	.0	.0	.0	.0	.0	.0	.0	4.1	3.3	27.5
86	TRACE	1.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.5	2.0	3.8
87	12.8	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	4.5	5.8	23.4
88	3.3	4.2	5.2	TRACE	TRACE	.0	.0	.0	.0	TRACE	.4	.5	13.6
89	TRACE	5.1	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	7.8	13.4
90	2.1	5.2	4.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4*	13.2*
LEAST	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3
GREATEST	15.3	21.7	17.5	4.5	TRACE	.0	.0	.0	.0	TRACE	6.4	13.6	48.9
MEAN	5.2	4.3	3.4	.5	TRACE	.0	.0	.0	.0	TRACE	1.3	4.3	18.9
MEDIAN	4.7	2.8	2.9	TRACE	.0	.0	.0	.0	.0	.0	.2	3.9	16.0
SD	4.041	5.052	3.763	1.136	.000	.000	.000	.000	.000	.000	1.846	3.738	10.823
TOTAL OBS	1206	1071	1178	1136	1180	1128	1196	1199	1168	1194	1168	1196	14020

THE GREATEST VALUE OF 21.7 OCCURRED ON 02/60

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
41	*	*	*	*	*	*	*	*	*	*	*	*	*
42	*	*	*	*	*	*	*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	*	*	*	*	*	*	*	*	*	*	*	*
46	1.2						.0	.0	.0	.0	.0	.2	1.2*
47	9.9	1.4	2.9	.0*	.0	.0	.0*	.0*	.0	.0	1.1	7.0	9.9*
48	3.3	1.0	5.2	.0	.0	.0	.0	.0	.0	.0	.6	2.0	5.2
49	3.6	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.6
50	1.0	TRACE	4.4	TRACE	.0*								4.4*
56		*	*	*	.0*	.0*	.0*	.0	.0	.0	.6	3.1	3.1*
57	.9	1.8	3.4	2.1	.0	.0	.0	.0	.0	TRACE	TRACE	1.0	3.4
58	2.8	1.1	1.5	.0	.0	.0	.0	.0	.0	.0	3.6	6.8	6.8
59	2.7	2.3	2.0	.8	.0	.0	.0	.0	.0	.0	2.9	.9	2.9
60	5.8	7.1	9.8	TRACE	.0	.0	.0	.0	.0	.0	.1	3.0	9.8
61	1.0	4.7	4.9	1.2	.0	.0	.0	.0	.0	.0	2.7	4.0	4.9
62	3.0	1.6	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0
63	3.0	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	.0	2.3	3.0
64	.9	1.5	2.8	.0	.0	.0	.0	.0	.0	.0	1.0	4.9	4.9
65	5.0	6.7	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	3.8	6.7
66	.6	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	9.2	9.2
67	1.5	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.1	2.1
68	2.0	1.8	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3	2.0
69	1.8	3.0	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	4.1	4.1
70	4.0	TRACE	2.5	3.5	.0	.0	.0	.0	.0	TRACE	.2	.1	4.0
71	4.6	8.0	2.6	TRACE	.0	.0	.0	.0	.0	.0*	1.8	.3*	8.0*
72	1.2	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.1	3.3	3.3
73	5.7	5.5	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.0	5.7
74	1.0	.6	1.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	.8	1.0
75	7.0	4.2	8.5	2.5	.0	.0	.0	.0	.0	.0	5.1	TRACE	8.5

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	2.2	.5	1.3	.0	.0	.0	.0	0	.0	TRACE	2.2	TRACE	2.2
77	2.8	.4	TRACE	2.0	.0	.0	.0	.0	.0	.0	TRACE	.2	2.8
78	2.0	3.4	3.4	.0	TRACE	.0	.0	.0	.0	.0	2.2	3.5	3.5
79	2.3	2.4	3.4	1.6	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	3.4
80	.9	7.2	5.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.8	7.2
81	1.4	.3	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.9	1.4
82	2.0	4.0	TRACE	.6	.0	.0	.0	.0	.0	.0	1.8	4.0	4.0
83	3.4	4.5	2.2	2.0	.0	.0	.0	.0	.0	.0	3.3	6.2	6.2
84	2.2	TRACE	3.1	TRACE	.0	.0	.0	.0	.0	.0	.5	.6	3.1
85	12.0	2.3	1.3	.0	.0	.0	.0	.0	.0	.0	2.0	1.3	12.0
86	TRACE	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.5	1.7	1.7
87	5.4	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	3.7	4.6	5.4
88	1.5	3.0	3.8	TRACE	TRACE	.0	.0	.0	.0	TRACE	.4	.5	3.8
89	TRACE	2.5	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	4.4	4.4
90	1.5	3.4	4.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.3*	4.0*
GREATEST	12.0	8.0	9.8	3.5	TRACE	.0	.0	.0	.0	TRACE	5.1	9.2	12.0
TOTAL OBS	1206	1071	1178	1136	1180	1128	1196	1199	1168	1194	1168	1196	14020

THE GREATEST VALUE OF 12.0 OCCURRED ON 01/09/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	50.9	62.6	84.5	98.2	100.0	100.0	100.0	100.0	100.0	99.9	94.3	68.9	88.4
TRACE	14.9	13.6	5.3	1.3						.1	3.0	10.9	4.0
1	9.9	7.2	3.2	.1							1.6	5.2	2.2
2	5.7	3.9	1.6	.1							.7	4.9	1.4
3	5.7	3.5	1.5	.1							.1	3.6	1.2
4-6	9.2	6.2	1.8								.1	5.2	1.9
7-12	3.6	2.8	1.5								.1	1.4	.8
13-24		.2	.7										.1
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	34.1	23.8	10.2	.4							2.7	20.2	7.5
TOTAL NO. OF OBSERVATIONS	1392	1269	1425	1371	1400	1341	1417	1426	1378	1411	1378	1414	16622

B - 4 - 1



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			5	0	0	0	0	0	0	0	0	6	6*
40	9	6	2	TRACE	0	0	0	0	0	0	2	4	9
41	4	4	9	0	0	0	0	0	0	TRACE	3	2	9
42	7	4	TRACE	0	0	0	0	0	0	0	TRACE	7	7
43	4	TRACE	7	0	0	0	0	0	0	0	TRACE	9	9
44	3	0	5	0	0	0	0	0	0	0	TRACE	5	5
45	TRACE	9	1	TRACE	0	0	0	0	0	0	1	9	9
46	1						0	0	0	0	0	TRACE	1*
47	10	1	3	0	0	0	0	0	0	0	1	7	10
48	5	3	9	0	0	0	0	0	0	0	TRACE	3	9
49	4	1	1	0	0	0	0	0	0	0	0	5	5
50	1	TRACE	4	TRACE	0*								4*
56		5	1	0*	0*	0*	0*	0	0	0	1	3	5*
57	1	2	3	2	0	0	0	0	0	0	TRACE	1	3
58	6	2	2	0	0	0	0	0	0	0	4	2	6
59	9	3	2	TRACE	0	0	0	0	0	0	2	3	9
60	6	13	19	TRACE	0	0	0	0	0	0	TRACE	3	19
61	1	7	4	TRACE	0	0	0	0	0	0	TRACE	5	7
62	4	2	2	0	0	0	0	0	0	0	0	3	4
63	4	1	TRACE	0	0	0	0	0	0	0	0	2	4
64	1	1	1	0	0	0	0	0	0	0	1	5	5
65	5	7	1	0	0	0	0	0	0	0	0	2	7
66	1	0	1	0	0	0	0	0	0	0	0	10	10
67	6	0	1	0	0	0	0	0	0	0	0	3	6
68	3	2	0	0	0	0	0	0	0	0	0	TRACE	3
69	2	7	3	0	0	0	0	0	0	0	0	4	7
70	4	0	1	3	0	0	0	0	0	0	0	TRACE	4
71	5	11	3	0	0	0	0	0	0	0*	TRACE	TRACE*	11*
72	1	2	0	0	0	0	0	0	0	0	2	4	4
73	7	1	0	TRACE	0	0	0	0	0	0	0	6	7
74	6	1	1	TRACE	0	0	0	0	0	0	TRACE	TRACE	6
75	5	4	9	3	0	0	0	0	0	0	8	TRACE	9

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	2	1	1	0	0	0	0	0	0	0	2	1	2
77	6	TRACE	0	2	0	0	0	0	0	0	0	TRACE	6
78	3	7	4	0	0	0	0	0	0	0	TRACE	4	7
79	10	6	1	0	0	0	0	0	0	0	TRACE	TRACE	10
80	3	9	5	0	0	0	0	0	0	0	0	3	9
81	1	1	0	0	0	0	0	0	0	0	0	1	1
82	2	8	TRACE	TRACE	0	0	0	0	0	0	1	4	8
83	3	10	TRACE	TRACE	0	0	0	0	0	0	2	9	10
84	4	0	4	0	0	0	0	0	0	0	0	TRACE	4
85	11	8	2	0	0	0	0	0	0	0	2	5	11
86	0	1	0	TRACE	0	0	0	0	0	0	1	2	2
87	4	TRACE	TRACE	0	0	0	0	0	0	0	2	5	5
88	2	3	4	0	0	0	0	0	0	0	0	1	4
89	0	2	0	0	0	0	0	0	0	0	0	6	6
90	2	4	5	0	0	0	0	0	0	0	0	1*	5*
GREATEST	11	13	19	3*	0*	0*	0*	0	0	TRACE*	8	10*	19*
TOTAL OBS	1392	1269	1425	1371	1400	1341	1417	1426	1378	1411	1378	1414	16622

THE GREATEST VALUE OF 19 OCCURRED ON 03/16/60

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS

PERIOD OF RECORD: 3903-5005,5602-9012

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
38 - 39			MAR 01			MAR 29
39 - 40			DEC 24			MAR 07
40 - 41			NOV 11			MAR 15
41 - 42			NOV 01			FEB 28
42 - 43			DEC 05			MAR 21
43 - 44			DEC 10			MAR 29
44 - 45			DEC 05			MAR 06
45 - 46	JAN 08	JAN 11	NOV 21	JAN 30	JAN 11	JAN 12
46 - 47	DEC 28	DEC 28	JAN 02	MAR 27	MAR 27	MAR 27
47 - 48	NOV 06	NOV 14	NOV 22	MAR 27	MAR 27	MAR 14
48 - 49	NOV 09	NOV 19	DEC 05	MAR 17	MAR 17	MAR 15
49 - 50	DEC 08	DEC 21	DEC 22	APR 03	MAR 21	MAR 22
55 - 56			FEB 01			MAR 07
56 - 57	NOV 20	NOV 20	NOV 21	APR 11	APR 08	APR 08
57 - 58	OCT 25	DEC 30	DEC 31	MAR 19	MAR 18	MAR 17
58 - 59	NOV 17	NOV 27	NOV 28	APR 12	APR 12	MAR 15
59 - 60	NOV 05	NOV 05	NOV 05	APR 30	MAR 15	MAR 26
60 - 61	NOV 09	NOV 09	DEC 11	APR 11	APR 09	MAR 21
61 - 62	NOV 13	NOV 18	DEC 09	MAR 13	MAR 12	MAR 02
62 - 63	NOV 17	DEC 20	DEC 25	MAR 05	MAR 05	FEB 01
63 - 64	DEC 10	DEC 10	DEC 11	MAR 25	MAR 25	MAR 26
64 - 65	NOV 18	NOV 18	NOV 19	MAR 26	MAR 13	MAR 14
65 - 66	NOV 26	DEC 16	DEC 16	MAR 23	MAR 05	MAR 05
66 - 67	DEC 09	DEC 22	DEC 23	APR 23	MAR 07	MAR 08
67 - 68	NOV 02	DEC 27	DEC 21	APR 04	FEB 25	FEB 25
68 - 69	NOV 08	DEC 01	JAN 03	MAR 29	MAR 08	MAR 11
69 - 70	NOV 03	DEC 06	DEC 06	APR 12	APR 12	APR 02
70 - 71	OCT 09	NOV 14	JAN 03	APR 01	MAR 25	MAR 26

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS

PERIOD OF RECORD: 3903-5005,5602-9012

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
71 - 72	NOV 22	NOV 23	JAN 04	APR 03	FEB 10	FEB 11
72 - 73	NOV 13	NOV 13	NOV 16	APR 09	FEB 17	FEB 09
73 - 74	NOV 21	DEC 04	DEC 05	APR 04	APR 04	MAR 23
74 - 75	NOV 28	DEC 26	JAN 02	APR 02	APR 02	APR 03
75 - 76	NOV 20	NOV 20	NOV 26	MAR 15	MAR 15	MAR 16
76 - 77	OCT 27	NOV 26	NOV 27	APR 04	APR 04	APR 04
77 - 78	NOV 08	DEC 05	JAN 16	MAY 03	MAR 11	MAR 06
78 - 79	NOV 14	NOV 16	DEC 07	APR 04	APR 03	MAR 23
79 - 80	OCT 22	JAN 21	JAN 27	APR 02	MAR 24	MAR 26
80 - 81	OCT 27	DEC 08	DEC 09	MAR 04	FEB 10	FEB 12
81 - 82	NOV 19	DEC 16	DEC 17	APR 08	APR 05	FEB 16
82 - 83	NOV 03	NOV 23	NOV 23	APR 14	APR 14	FEB 13
83 - 84	NOV 09	NOV 23	NOV 23	APR 29	MAR 19	MAR 20
84 - 85	NOV 10	NOV 10	JAN 01	MAR 31	MAR 31	MAR 31
85 - 86	NOV 10	NOV 19	NOV 30	MAR 19	FEB 20	FEB 21
86 - 87	NOV 09	NOV 10	NOV 11	MAR 29	MAR 29	JAN 26
87 - 88	NOV 27	NOV 27	NOV 28	MAY 02	MAR 17	MAR 18
88 - 89	OCT 05	NOV 19	DEC 12	MAR 20	MAR 20	FEB 27
89 - 90	NOV 15	DEC 10	DEC 15	APR 12	MAR 24	MAR 25
90 - 91	NOV 04	DEC 21	DEC 31	DEC 31	DEC 31	DEC 31
MEDIAN-DATE	NOV 11	NOV 27	DEC 09	APR 02	MAR 19	MAR 15

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
39			*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
41	*	*	*	*	*	*	*	*	*	*	*	*	*
42	*	*	*	*	*	*	*	*	*	*	*	*	*
43	*	*	*	*	*	*	*	*	*	*	*	*	*
44	*	*	*	*	*	*	*	*	*	*	*	*	*
45	*	N 32	S 48	S 58	NW 64	SSW 35	N 33	SW 74	NE 54	N 35	SSW 60	SW 30	SW *74
46	SSW 37						SE 34	SSW 45	NE 43	SSW 47	SSE 45	*	SSW*47
47	*	WNW*33	SW 43	SSE*44	NNE*45	S *55	SW *60	SW *35	SW 52	W 55	NNW 35	WSW 35	SW *60
48	NNW 38	SSW 44	S 67	SSW 52	SSE 43	NNW 45	SSW 45	N 38	SSW 54	S 40	SSW 53	SSW 51	S 67
49	SSW 35	SSW 43	SW 52	NNW 50	SE 54	NE 50	SSW 39	ESE 43	S 35	SSE 47	NNW 36	SW 55	SW 55
50	S 49	S 40	SSW 64	WNW 50	WSW*59								SSW*64
56		*	*	*	*	*	*	*	*	*	*	*	*
57	*	*	*	*	*	*	*	*	*	*	*	*	*
58	*	E *32	NNE 29	SSE 50	W 30	SSW 53	ESE 55	SSW 30	N 43	SSE 48	SSW 59	SSE 35	SSW*59
59	NNW 40	SSW 35	NNW 42	SSW 42	S 63	S 47	S 54	WNW 47	SSE 40	NW 41	WNW 37	SSW 41	S 63
60	SSE 46	NNW 31	E 52	SSE 48	SSW 45	N 40	S 32	SSE 34	N 31	NNW 30	SW 47	S 32	E 52
61	N 37	WNW 31	SSW 37	WNW 35	S 36	NE 44	NW 39	NW 42	S 41	S 41	SSE 38	NNW 36	NE 44
62	S 40	N 33	S 35	S 44	SW 43	NNE 33	SW 43	NW 40	S 33	S 36	S 32	NW 39	S 44
63	S 34	N 35	S 47	S 44	SSE 34	WNW 43	WNW 29	S 27	N 34	SSW 32	NNW 37	N *31	S *47
64	S 36	SSW 47	S 45	S 49	S 49	S 37	SE 36	SSW 34	SSW 49	SSW 37	NNW 38	SSW 40	S 49
65	NW 40	NNW 42	NNW 40	SW 42	SSE 44	WSW 52	WNW 38	S 34	WSW 40	WSW 40	SW 33	S 45	WSW 52
66	SSW 33	S 40	NW 55	NNW 53	S 44	S 40	NW 41	E 35	SW 31	SW 44	NNW 37	S 34	NW 55
67	N 40	N 47	S 48	S 48	N 40	NW 49	SW 43	NE 26	NNW 31	S 43	S 25	SSW 39	NW 49
68	N 33	SSE 35	S 45	S 40	SSE 47	NNW 42	32/ 42	19/ 34	19/ 33	36/ 45	18/ 41	21/ 47	SSE 47
69	35/ 51	33/ 31	36/ 38	24/ 43	16/ 42	05/ 58	34/ 34	16/ 29	30/ 30	17/ 40	18/ 42	28/ 30	05/ 58
70	21/ 26	35/ 35	34/ 35	26/ 44	34/ 51	27/ 45	36/ 60	34/ 41	30/ 47	19/ 43	23/ 50	30/ 43	36/ 60
71	35/ 38	15/ 41	32/*60	24/ 43	12/ 43	28/ 55	34/ 47	15/ 31	20/ 49	20/*40	18/ 37	21/*42	32/*60
72	19/ 26	21/ 40	22/ 44	12/ 55	17/ 43	19/ 36	23/ 39	17/ 54	18/ 34	18/ 31	17/ 36	19/ 49	12/ 55
73	19/ 45	19/ 40	23/ 53	21/*61	17/ 45	28/*37	09/ 49	19/ 34	15/ 44	20/ 43	19/ 40	19/ 38	21/*61
74	20/ 28	20/ 37	30/ 36	16/ 46	17/ 47	28/ 48	25/ 43	33/ 44	21/ 30	23/ 44	33/ 34	18/ 36	28/ 48
75	16/ 37	22/ 42	29/ 42	15/ 52	24/ 35	36/ 44	20/ 30	18/ 34	24/ 57	19/ 38	19/ 44	17/ 37	24/ 57

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
76	25/ 28	35/ 44	17/ 48	24/ 62	20/ 33	20/ 47	17/ 33	30/ 36	23/ 28	21/ 28	21/ 32	30/ 36	24/ 62
77	36/ 32	19/ 48	16/ 42	32/ 42	15/ 41	20/ 32	34/ 38	32/ 38	21/ 36	14/ 33	19/ 41	32/ 34	19/ 48
78	34/ 36	34/ 32	23/ 32	13/ 40	18/ 42	24/ 38	29/ 36	20/ 33	32/ 42	20/ 32	20/ 30	24/ 35	18/ 42
79	34/ 32	36/ 33	21/ 37	21/ 36	20/ 41	21/ 64	02/ 36	06/ 28	22/ 32	18/ 37	19/ 37	19/ 30	21/ 64
80	17/ 44	03/ 31	18/ 39	30/ 33	19/ 34	21/ 39	25/ 50	18/ 57	19/*31	30/ 34	20/ 27	18/ 31	18/*57
81	34/ 28	36/ 37	04/ 36	21/ 37	04/ 30	02/ 35	14/ 34	30/ 32	20/ 29	15/ 36	34/ 35	20/ 40	20/ 40
82	29/ 36	21/ 28	17/ 37	31/ 45	29/ 45	34/ 56	25/ 37	35/ 35	17/ 35	19/ 33	22/ 37	33/ 33	34/ 56
83	33/ 32	03/ 29	17/ 34	01/ 39	24/ 36	20/ 31	25/ 36	15/ 31	32/ 56	19/ 42	34/ 31	33/ 28	32/ 56
84	33/ 32	35/ 35	08/ 42	09/ 45	33/ 42	19/ 40	05/ 35	18/ 34	21/ 42	27/ 28	19/ 39	20/ 39	09/ 45
85	01/ 28	19/ 29	20/ 39	17/ 40	34/ 41	03/ 33	36/ 20	29/ 40	19/ 32	18/ 54	27/ 34	33/ 32	18/ 54
86	29/ 40	32/ 33	19/ 44	11/ 46	19/ 38	19/ 44	18/ 30	03/ 52	17/* 4	*	*	*	03/*52
87	*	36/*32	36/ 32	19/ 33	18/ 36	34/ 32	16/ 37	13/ 30	20/ 34	17/ 30	19/ 33	19/ 40	19/*40
88	19/ 40	33/ 33	20/ 42	36/ 34	16/ 36	19/ 28	33/ 41	23/ 35	20/ 32	36/ 33	33/ 36	18/ 40	20/ 42
89	34/ 32	03/ 35	17/ 44	19/ 39	20/ 38	32/ 41	11/ 30	17/ 33	29/ 37	19/ 30	35/ 32	18/ 30	17/ 44
90	18/ 32	20/ 41	18/ 34	17/ 40	34/ 36	35/ 44	21/ 58	32/ 44	22/ 61	18/ 38	20/ 39	33/*27	22/*61
GREATEST	35/ 51	19/ 48 S	67	24/ 62	NW 64	21/ 64	SW 60	SW 74	22/ 61 W	55	SSW 60	SW 55	SW 74
TOTAL OBS	1078	1039	1171	1132	1150	1089	1167	1166	1101	1127	1103	1096	13419

THE PEAK WIND OF 74 FROM SW OCCURRED ON 08/13/45

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	.1	4.4	22.7	25.3	22.9	12.2	8.2	2.7	1.5	.1	.0	19.9	19.0	1078
FEB	.2	4.6	18.2	25.2	24.7	14.5	7.9	2.6	2.0	.0	.0	20.5	20.0	1039
MAR	.0	2.0	11.4	19.5	24.1	16.3	13.9	6.8	5.0	.9	.1	24.2	23.0	1171
APR	.0	.5	7.5	20.1	23.9	19.5	12.6	8.9	5.9	1.1	.0	25.3	24.0	1132
MAY	.0	1.7	13.8	25.3	23.6	14.5	10.6	5.3	4.6	.5	.0	22.8	21.0	1150
JUN	.1	3.3	16.3	24.9	23.4	15.3	9.5	3.3	3.0	.9	.0	21.7	20.0	1089
JUL	.3	3.7	21.8	27.6	25.0	11.6	5.3	3.0	1.1	.7	.0	19.9	19.0	1167
AUG	.1	5.1	20.2	28.5	24.8	12.3	6.4	1.5	.8	.3	.1	19.6	19.0	1166
SEP	.1	3.8	21.0	24.4	24.8	12.7	6.9	3.9	1.8	.5	.0	20.6	20.0	1101
OCT	.2	4.5	18.5	24.2	22.6	13.9	9.1	3.8	2.8	.2	.0	21.0	20.0	1127
NOV	.0	5.0	18.8	24.8	21.9	15.5	8.4	3.9	1.3	.5	.0	20.7	20.0	1103
DEC	.1	5.7	21.5	26.1	22.2	13.0	6.8	2.2	2.2	.3	.0	19.8	19.0	1096
ANNUAL	.1	3.7	17.6	24.6	23.7	14.3	8.8	4.0	2.7	.5	.0	21.3	20.0	13419

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	4.1	1.4	.5								7.4	7.6	7.0
020-040	3.0	2.7	1.4	.3								7.4	6.3	6.0
050-070	1.8	2.4	.4									4.6	5.8	6.0
(E) 080-100	.9	.6	.4									1.9	5.6	5.0
110-130	.4	.9	.3									1.6	6.3	6.0
140-160	.6	.8	.5	.2								2.2	8.0	8.0
(S) 170-190	2.4	1.6	1.9	.2		.1						6.2	7.0	6.5
200-220	6.1	4.5	2.2	.4	.5							13.8	6.6	5.0
230-250	6.6	2.7	.2	.1								9.6	4.1	3.0
(W) 260-280	3.4	1.2	.2									4.8	3.8	3.0
290-310	1.5	1.1	.4									3.0	5.5	5.0
320-340	2.2	2.0	.9	.1								5.2	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											32.3	////////////////////////////////	
TOTALS	30.3	24.6	10.2	1.8	.5	.1						100.0	4.1	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	2.6	1.4	.1								7.3	6.1	6.0
020-040	4.0	2.6	1.5	.3	.2							8.6	6.3	5.0
050-070	2.2	1.8	.2	.2								4.4	5.6	5.0
(E) 080-100	.9	.9	.1									1.8	4.5	5.0
110-130	.2	.9	.5									1.6	8.3	8.0
140-160	.5	.3	.5	.1								1.5	7.6	7.0
(S) 170-190	2.8	1.7	1.1	.6	.1							6.3	7.1	6.0
200-220	7.5	4.7	1.9	.8	.1							15.1	5.8	4.5
230-250	8.1	3.3	.2									11.6	4.0	4.0
(W) 260-280	4.2	1.1	.2									5.5	3.6	3.0
290-310	.6	1.5	1.1									3.2	7.3	7.0
320-340	1.7	1.7	1.2	.1								4.7	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											28.3	////////////////////////////////	
TOTALS	35.9	23.1	9.9	2.2	.4							100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.6	2.6									8.3	6.7	6.0
020-040	3.7	1.9	1.9									7.5	5.9	5.0
050-070	2.7	1.8	.4	.2								5.2	5.7	4.0
(E) 080-100	.6	.6										1.3	4.8	4.5
110-130	.4	.4	.2	.1								1.2	6.8	6.0
140-160	.8	.4	.8	.4								2.4	8.9	9.5
(S) 170-190	1.9	2.0	1.4	.3	.2							5.9	7.5	6.0
200-220	9.1	5.7	1.4	.1								16.3	4.8	4.0
230-250	8.2	4.8	.5									13.5	4.2	4.0
(W) 260-280	1.8	1.1	.2									3.1	4.6	4.0
290-310	1.1	1.7	.5									3.3	5.5	5.0
320-340	2.6	2.3	1.1	.2								6.1	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											25.8	////////	
TOTALS	36.0	25.3	11.0	1.3	.2							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	4.2	3.5	.3								10.4	7.7	8.0
020-040	2.2	3.7	1.5	.2								7.5	6.9	6.0
050-070	1.1	1.7	1.1	.3								4.2	7.5	6.0
(E) 080-100	.9	1.3	.2									2.4	5.4	5.0
110-130	.4	1.0	.1									1.5	5.7	6.0
140-160	.5	1.0	.5									2.0	7.2	7.0
(S) 170-190	1.2	2.2	1.8	.5	.1							5.8	8.7	8.5
200-220	5.3	4.7	3.7	1.2	.2							15.1	7.5	7.0
230-250	7.7	7.0	1.9									16.7	5.4	5.0
(W) 260-280	4.1	2.7	.5									7.3	4.7	4.0
290-310	.9	2.5	1.1	.3	.1							4.8	8.2	8.0
320-340	1.4	2.9	3.0	.3								7.6	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											14.6	////////////////////////////////	
TOTALS	28.1	34.9	18.9	3.1	.4							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	4.7	4.3	.2								11.7	7.8	8.0
020-040	1.8	3.7	1.2	.3								7.0	6.8	6.0
050-070	.9	1.7	.6	.3								3.5	7.6	7.0
(E) 080-100	.5	.6	.4									1.6	7.0	8.0
110-130	.8	1.5	.5									2.8	6.7	6.5
140-160	.6	1.6	.4									2.7	6.4	6.0
(S) 170-190	.8	1.9	3.0	.6								6.3	10.0	10.0
200-220	2.0	4.4	5.7	2.4	.4							14.9	10.2	10.0
230-250	3.4	8.5	3.8	.3	.1							16.1	7.3	7.0
(W) 260-280	3.4	5.2	2.0	.1								10.8	6.5	6.0
290-310	1.1	3.7	3.0	.8	.3							8.8	9.1	8.0
320- 10	1.2	4.1	4.6	.3								10.2	8.7	9.0
VARIABLE														
CALM	////////////////////////////////////											3.4	////////////////////////////////	
TOTALS	19.0	41.6	29.5	5.3	.8							100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	6.7	3.8	.4								12.6	8.0	8.0
020-040	2.0	2.9	2.0	.1								7.1	7.3	7.0
050-070	.9	1.5	.5	.2								3.1	7.1	7.0
(E) 080-100	.6	1.0	.3									1.9	6.3	5.5
110-130	.3	1.6	.6									2.6	7.2	8.0
140-160	.8	2.2	.3									3.2	6.2	6.0
(S) 170-190	2.3	2.9	2.4	.9	.1							8.5	8.2	8.0
200-220	3.0	5.7	5.1	1.4								15.2	8.5	9.0
230-250	3.5	6.9	1.9	.1		.1						12.6	6.4	6.0
(W) 260-280	3.4	4.1	1.0	.2		.1						8.8	6.3	5.0
290-310	2.9	3.3	2.5	.4								9.1	7.4	7.0
320-340	2.2	5.3	3.5	.6								11.6	8.2	8.0
VARIABLE														
CALM	////////////////////////////////////											3.7	////////////////////////////////	
TOTALS	23.6	44.1	23.9	4.3	.1	.2						100.0	7.2	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	5.2	2.2									10.8	6.4	6.0
020-040	2.2	2.4	2.4	.4								7.3	7.8	8.0
050-070	1.9	1.8	.4									4.2	5.5	6.0
(E) 080-100	1.5	.9	.6									3.0	5.8	4.5
110-130	1.1	1.8	.5									3.4	6.0	6.5
140-160	1.9	1.2	.6									3.8	5.4	4.0
(S) 170-190	2.2	3.3	1.8	.1								7.4	7.0	7.0
200-220	7.6	6.8	1.8	.3								16.6	5.5	5.0
230-250	5.8	2.0										7.8	3.5	3.0
(W) 260-280	1.5	.8	.1	.1								2.5	4.5	3.0
290-310	2.0	1.8	.3	.2	.1							4.5	6.1	5.0
320-340	2.4	4.4	1.0									7.7	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											21.0	////////	
TOTALS	33.5	32.4	11.7	1.1	.1							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	3.8	2.3		.1		.1					9.2	7.0	6.0
020-040	2.4	2.6	1.4	.4								6.8	6.9	7.0
050-070	1.6	2.5	.3	.1								4.5	5.8	6.0
(E) 080-100	1.4	.8	.1									2.3	4.3	4.0
110-130	.8	1.4	.3									2.5	5.9	6.0
140-160	.5	1.1	1.0	.3								2.9	8.5	8.0
(S) 170-190	2.2	2.4	1.4	.4	.1	.1	.1					6.7	8.0	7.0
200-220	6.7	3.5	2.5	.2								12.9	5.9	4.0
230-250	5.9	2.7	.4	.1								9.1	4.3	4.0
(W) 260-280	2.5	.6	.2									3.3	4.1	3.0
290-310	1.7	1.5	.2	.2								3.7	5.8	5.5
320-340	2.3	2.8	.3	.3	.1							5.8	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											30.3	////////	
TOTALS	31.0	25.7	10.4	2.0	.3	.1	.2					100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	4.2	2.7	.2	.0		.0					9.7	7.2	7.0
020-040	2.6	2.8	1.7	.3	.0							7.4	6.8	6.0
050-070	1.6	1.9	.5	.2								4.2	6.2	6.0
(E) 080-100	.9	.8	.3									2.0	5.4	5.0
110-130	.6	1.2	.4	.0								2.2	6.5	7.0
140-160	.8	1.1	.6	.1								2.6	7.1	6.0
(S) 170-190	1.9	2.3	1.9	.5	.1	.0	.0					6.7	7.9	7.0
200-220	5.9	5.0	3.0	.8	.2							15.0	6.8	6.0
230-250	6.2	4.7	1.1	.1	.0	.0						12.1	5.1	4.0
(W) 260-280	3.1	2.1	.6	.1		.0						5.8	5.1	4.0
290-310	1.5	2.1	1.1	.2	.1							5.1	7.3	7.0
320-340	2.0	3.2	1.9	.3	.0							7.4	7.3	7.0
VARIABLE														
CALM	////////////////////											19.9	////////	
TOTALS	29.7	31.4	15.8	2.8	.4							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	4.5	7.0	4.6	.7								16.8	7.3	7.0
020-040	2.4	7.9	5.0	.6								15.9	8.2	8.0
050-070	1.9	7.0	1.6									10.5	7.2	7.0
(E) 080-100	1.6	2.9	1.3									5.7	6.4	6.0
110-130	.4	2.7	1.3	.1								4.6	8.2	8.0
140-160	.6	1.9	.3	.4								3.2	7.9	7.5
(S) 170-190	1.4	3.0	1.6	.4								6.5	7.6	8.0
200-220	2.0	4.0	3.9	.1								10.1	7.7	8.0
230-250	1.4	2.2	.6			.1						4.3	6.8	6.0
(W) 260-280	1.6	1.4	.3	.1		.1						3.6	6.0	5.0
290-310	1.6	1.1	.3	.1								3.2	6.0	4.5
320-340	1.3	3.4	1.4									6.2	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////////////////////////////	
TOTALS	20.7	44.5	22.2	2.5		.2						100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 696

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: FEB      HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	4.0	2.6	.2	.1							9.6	7.3	7.0
020-040	7.3	6.0	2.1	.2	.2							16.0	5.9	5.0
050-070	2.6	1.2	.6	.6								5.0	6.3	4.0
(E) 080-100	.9	1.2										2.1	4.4	5.0
110-130	1.1	.9										2.0	4.8	4.0
140-160	.7	1.7	.6	.4								3.3	7.9	8.0
(S) 170-190	1.7	2.5	1.7	.4								6.1	7.8	7.0
200-220	3.8	2.7	1.5	.1	.1							8.3	6.2	5.0
230-250	4.3	1.3	.1									5.7	3.4	3.0
(W) 260-280	2.5	1.2	.1									3.8	3.8	3.0
290-310	1.1	.7	.5									2.2	5.6	5.0
320-340	1.9	2.1	.9	.1								5.1	6.4	6.0
VARIABLE														
CALM	////////////////////////////////////											30.9	////////////////////////////////	
TOTALS	30.5	25.5	10.7	2.0	.4							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	6.4	2.8	.6	.1							13.1	7.3	6.0
020-040	7.4	5.0	2.1	.7	.1							15.4	5.8	5.0
050-070	2.7	.7	1.2	.2								4.8	6.0	4.0
(E) 080-100	.5	.8	.1									1.4	5.8	6.0
110-130	.5	.7	.2									1.4	6.0	5.5
140-160	.5	1.9	.6	.2								3.2	7.8	8.0
(S) 170-190	2.0	2.2	.8									5.1	5.8	6.0
200-220	4.1	2.8	1.8	.6								9.3	6.2	5.0
230-250	5.3	.8										6.1	2.9	2.0
(W) 260-280	2.6	.9	.2									3.8	4.2	3.0
290-310	1.1	.4	1.1									2.5	7.0	8.0
320-340	2.1	1.9	.1	.1								4.3	5.4	4.5
VARIABLE														
CALM	////////////////////											29.6	////////	
TOTALS	32.0	24.5	11.0	2.4	.2							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	6.7	2.7	.5								13.4	7.1	7.0
020-040	5.3	5.9	3.0	.6								14.8	6.6	6.0
050-070	3.3	1.3	.7									5.3	4.4	4.0
(E) 080-100	.8	1.2										2.0	5.0	6.0
110-130	.9	.2	.7	.1								2.0	6.9	6.0
140-160	.6	1.8	.8	.1								3.3	8.3	8.0
(S) 170-190	2.5	1.4	.6	.1								4.6	5.1	3.0
200-220	5.9	3.9	.9	.2								11.0	5.1	4.0
230-250	4.8	1.4	.2									6.5	3.5	2.0
(W) 260-280	1.5	1.1	.2									2.8	4.6	4.0
290-310	1.2	.8	.6	.1								2.7	6.5	5.0
320-340	2.6	2.5	.2	.1								5.4	5.1	5.0
VARIABLE														
CALM	////////////////////////////////////											26.1	////////	
TOTALS	32.8	28.2	10.6	1.8								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	5.7	5.0	.9	.4							14.4	8.7	8.5
020-040	3.4	5.4	3.7	1.5								14.1	8.0	8.0
050-070	1.3	2.0	.9									4.3	6.6	6.0
(E) 080-100	.9	1.9	.1									3.0	6.0	6.0
110-130	.2	2.4	.6									3.2	7.2	7.0
140-160	.5	1.5	1.4	.6								4.0	9.5	9.5
(S) 170-190	1.8	2.2	2.6	.2	.1							7.0	7.9	8.0
200-220	2.6	4.5	3.4	.5								11.0	7.7	7.0
230-250	4.5	3.9	1.2									9.6	5.3	5.0
(W) 260-280	3.4	1.8	.6									5.8	4.7	4.0
290-310	.9	2.2	.4									3.5	6.4	7.0
320-340	1.5	4.1	2.0	.5								8.2	7.9	7.0
VARIABLE														
CALM	////////////////////											12.1	////////	
TOTALS	23.5	37.6	21.9	4.2	.5							100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	5.9	4.5	1.4	.6	.2						14.9	9.6	9.0
020-040	2.7	6.3	3.5	1.4								13.9	8.0	8.0
050-070	.0	1.5	1.1									3.5	7.3	8.0
(E) 080-100	1.4	1.5	.6									3.5	5.7	5.5
110-130	.8	1.5	1.1									3.4	7.2	8.0
140-160	1.3	1.4	2.0	.5	.1							5.3	9.2	9.0
(S) 170-190	1.2	2.6	2.5	1.2	.1							7.6	9.7	9.5
200-220	1.5	3.8	4.6	1.9	.4							12.2	10.3	10.0
230-250	2.7	4.0	1.5	.2								8.5	6.6	6.0
(W) 260-280	3.8	2.7	.9									7.4	5.3	4.0
290-310	1.9	2.7	1.8	.2								6.6	7.0	6.0
320-340	2.0	4.3	2.7	.6	.2							9.8	8.3	8.0
VARIABLE														
CALM	////////////////////////////////////											3.2	////////////////////////////////	
TOTALS	22.4	38.2	26.8	7.4	1.4	.2						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 846



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	6.1	5.2	1.1	.2							14.4	9.0	9.0
020-040	2.5	5.8	2.5	.6								11.3	7.6	8.0
050-070	2.0	3.0	.9									5.9	6.3	6.0
(E) 080-100	.5	1.9	.5									2.8	6.8	6.5
110-130	1.1	1.5	.9									3.5	6.8	5.5
140-160	.7	1.9	1.2	.5								4.3	8.8	8.5
(S) 170-190	1.5	3.5	2.4	1.5	.1							9.1	9.3	9.0
200-220	2.4	3.3	4.3	.8	.1							10.9	8.9	9.0
230-250	2.0	4.1	1.4	.2								7.8	6.8	6.0
(W) 260-280	2.8	4.5	.5	.1								7.9	5.5	5.0
290-310	2.5	3.9	2.2	.4								9.0	7.0	6.0
320-340	1.5	3.8	2.6	1.2	.2							9.3	9.3	8.0
VARIABLE														
CALM	////////////////////////////////////											3.7	////////	
TOTALS	21.3	43.3	24.6	6.4	.6							100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECCRD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	4.8	2.7	.5								12.2	6.5	6.0
020-040	3.8	4.7	2.5	.1								11.1	6.4	6.0
050-070	3.8	2.2	1.1	.2								7.3	5.6	4.0
(E) 080-100	1.5	1.9	.1									3.5	5.1	5.0
110-130	1.9	1.7	.1	.1								3.8	5.3	4.5
140-160	1.9	1.9	.8	.1								4.7	6.4	6.0
(S) 170-190	4.6	4.8	1.4	.4								11.2	5.9	5.0
200-220	4.5	4.1	.9									9.6	5.3	5.0
230-250	2.5	.6	.1									3.2	3.8	3.0
(W) 260-280	2.0	.5		.1								2.6	3.6	2.0
290-310	4.0	.8	.7									5.6	4.2	3.0
320-340	2.8	2.7	1.4	.1								7.1	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											18.1	////////	
TOTALS	37.4	30.7	11.8	1.6								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	3.8	1.7	.4								9.0	6.6	6.0
020-040	7.2	4.8	2.6	.1								14.8	5.5	5.0
050-070	3.0	2.0	.8	.1								5.9	5.4	4.5
(E) 080-100	1.7	1.2	.2									3.1	5.3	4.0
110-130	.9	1.3	.4									2.6	5.7	6.0
140-160	1.4	2.2	1.2	.7								5.6	8.3	8.0
(S) 170-190	2.2	2.7	2.2	.8	.2							8.3	8.3	8.0
200-220	4.3	2.2	1.4	.5								8.4	5.9	4.0
230-250	1.9	.5	.1									2.5	3.6	2.0
(W) 260-280	1.5	.1										1.7	2.6	2.0
290-310	2.0	.9	.2									3.2	4.2	3.0
320-340	1.7	1.4	.9	.5								4.5	7.2	6.0
VARIABLE														
CALM	////////////////////////////////////											30.6	////////	
TOTALS	31.0	23.1	11.7	3.1	.2							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	5.4	3.4	.7	.2	.0						12.6	7.9	8.0
020-040	5.0	5.5	2.7	.7	.0							13.9	6.7	6.0
050-070	2.5	1.7	.9	.1								5.3	5.9	5.0
(E) 080-100	1.0	1.4	.2									2.7	5.5	6.0
110-130	.9	1.3	.5	.0								2.7	6.3	6.0
140-160	.9	1.8	1.1	.4	.0							4.2	8.3	8.0
(S) 170-190	2.2	2.8	1.8	.6	.1							7.4	7.6	7.0
200-220	3.6	3.4	2.4	.6	.1							10.1	7.1	6.0
230-250	3.5	2.1	.6	.1								6.2	4.8	4.0
(W) 260-280	2.5	1.6	.3	.0								4.5	4.7	4.0
290-310	1.8	1.6	.9	.1								4.4	6.1	5.0
320-340	2.0	2.9	1.4	.4	.1							6.7	7.3	6.0
VARIABLE														
CALM	////////////////////											19.3	////////	
TOTALS	28.8	31.5	16.2	3.7	.5							100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	8.5	5.9	1.5	.3	.1						22.0	8.0	7.0
020-040	7.2	12.1	6.5	2.4	.2							28.5	7.6	7.0
050-070	2.3	2.3	1.5	.4								6.6	7.1	6.0
(E) 080-100	.8	3.8	.6									5.3	7.1	7.0
110-130	.7	.7	.2									1.7	5.6	5.0
140-160	1.2	1.2										2.3	4.9	4.5
(S) 170-190	1.4	1.5	.8	.8	.1							4.7	8.6	7.0
200-220	.6	2.0		.2								2.9	6.0	6.0
230-250	.6	.4										1.1	3.6	3.5
(W) 260-280	1.8	.6	.1	.1								2.7	4.6	3.0
290-310	2.5	.6	.1	.1								3.4	4.1	3.0
320-340	4.2	3.7	.5	.2								8.7	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											10.3	////////	
TOTALS	28.9	37.4	16.2	5.7	.6	.1						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 942

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	3.9	1.9	.1								8.3	7.0	7.0
020-040	5.9	2.6	2.2	.6	.1							11.4	6.3	4.0
050-070	4.0	2.7	1.7									8.4	5.7	5.0
(E) 080-100	1.4	1.4	.4	.2								3.4	5.9	5.0
110-130	1.5	1.6	1.2									4.3	6.6	7.0
140-160	1.6	1.5	2.4	1.0	.1							6.6	9.1	10.0
(S) 170-190	1.8	2.4	3.2	1.0	1.0	.1						9.5	10.3	10.0
200-220	6.2	2.5	1.6	.9	.1		.1					11.4	6.1	4.0
230-250	2.6	1.2										3.8	3.7	4.0
(W) 260-280	1.5	1.2	.4	.3	.1							3.5	6.9	5.0
290-310	1.5	1.2	.4									3.1	4.9	5.0
320-340	1.7	2.7	1.2	.2								5.8	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											20.5	////////////////////////////////	
TOTALS	32.1	24.9	16.6	4.3	1.4	.1	.1					100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	2.5	1.0	.1	.1							6.9	5.9	5.0
020-040	5.4	2.7	1.9	.6	.1							10.8	6.3	4.5
050-070	3.5	3.0	1.8	.1								8.5	5.9	5.0
(E) 080-100	1.3	2.0	.4									3.8	5.8	6.0
110-130	1.0	2.0	1.0									4.0	6.9	7.0
140-160	1.2	2.2	1.7	.4	.2							5.7	8.8	8.0
(S) 170-190	2.5	1.5	2.2	.9	.3							7.3	8.8	8.0
200-220	4.9	2.9	1.5	.6	.3							10.3	6.4	5.0
230-250	3.2	1.0	.4	.1								4.7	4.6	4.0
(W) 260-280	1.5	1.3	.4	.1	.1							3.4	6.5	5.5
290-310	1.6	1.2	.9									3.7	6.0	5.5
320-340	1.7	2.6	1.7									6.0	7.1	7.0
VARIABLE														
CALM	////////////////////											24.9	////////	
TOTALS	31.0	24.9	14.9	2.9	1.1							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.0	1.7	.3								7.7	6.6	6.0
020-040	4.1	3.0	1.9	.2								9.2	5.8	5.0
050-070	2.4	4.2	1.8	.1								8.5	6.7	7.0
(E) 080-100	1.8	2.5	1.1	.1								5.5	6.5	6.0
110-130	.9	1.8	1.4	.1								4.2	7.9	8.0
140-160	1.2	1.1	1.7	.3								4.3	8.1	9.0
(S) 170-190	2.8	1.6	2.6	1.2	.3							8.5	9.2	9.0
200-220	4.3	3.0	1.7	.6	.2							9.9	6.6	5.0
230-250	4.2	2.4	.3	.1								7.0	4.2	4.0
(W) 260-280	1.7	.9	.2	.1								2.9	5.0	3.0
290-310	1.3	1.9	1.0	.3	.1							4.6	7.3	6.0
320-340	1.6	2.4	1.1	.3								5.4	7.0	6.5
VARIABLE														
CALM	////////////////////////////////////											22.3	////////////////////////////////	
TOTALS	29.0	27.8	16.5	3.7	.6							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	5.5	2.7	.1								9.9	7.8	8.0
020-040	3.7	3.7	2.9	.5								10.8	7.1	6.0
050-070	1.8	3.8	2.8		.1							8.5	7.7	8.0
(E) 080-100	.5	2.8	1.6	.4								5.4	8.5	8.0
110-130	.5	2.7	.9	.5								4.6	8.3	8.0
140-160	.5	1.6	1.8	1.2								5.2	10.3	10.5
(S) 170-190	1.0	1.2	3.9	1.5	.8							8.3	11.5	11.0
200-220	2.3	3.4	3.3	2.4	1.1	.3						12.8	10.9	10.0
230-250	4.7	4.3	1.5	.3	.1							11.0	6.1	5.5
(W) 260-280	2.3	2.5	.4	.2								5.4	5.8	5.0
290-310	.4	2.2	1.9	.3	.3							5.2	9.7	9.5
320-340	1.6	4.0	1.7	.5								7.8	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											5.3	////////////////////////////////	
TOTALS	20.9	37.7	25.4	7.9	2.4	.3						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	4.8	3.1	.9								11.1	8.0	8.0
020-040	1.8	4.0	3.1	.6								9.6	8.1	7.0
050-070	1.2	2.7	2.4	.2	.1							6.6	8.2	8.0
(E) 080-100	.9	1.5	2.3	.2								4.8	8.9	10.0
110-130	.6	2.2	1.7	.1								4.6	8.3	9.0
140-160	.6	3.4	1.8	.9	.2							7.0	9.6	9.0
(S) 170-190	1.1	2.8	3.5	2.0	1.1	.2						10.8	11.9	12.0
200-220	1.5	2.4	3.5	3.2	.8	.2						11.6	12.0	12.0
230-250	2.3	3.5	1.9	1.4								9.1	8.1	8.0
(W) 260-280	1.7	2.3	1.9	.4	.5							6.9	8.9	8.0
290-310	1.8	3.0	2.3	.2	.4							7.7	8.4	8.0
320-340	1.2	4.0	2.7	1.1	.1							9.0	9.1	9.0
VARIABLE														
CALM	////////////////////////////////////											1.2	////////	
TOTALS	17.0	36.6	30.2	11.2	3.2	.4						100.0	9.2	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	4.8	4.6	.5								13.0	7.9	8.0
020-040	2.2	4.2	2.5	.9	.2							9.9	8.2	8.0
050-070	.5	3.2	1.9	.4	.1							6.2	9.2	8.0
(E) 080-100	1.6	1.5	1.3									4.4	6.6	6.0
110-130	1.5	2.3	1.0	.1								4.8	6.9	7.0
140-160	1.9	1.8	1.9	1.1	.2							7.0	9.0	8.0
(S) 170-190	1.7	3.3	3.9	1.3	1.2	.1						11.5	11.0	10.0
200-220	1.6	2.6	4.2	2.7	.4	.2	.1					11.8	11.7	12.0
230-250	1.9	3.3	1.4	.5	.1							7.3	7.4	6.0
(W) 260-280	1.9	2.7	1.7	.3	.1	.1						6.9	7.9	6.5
290-310	1.2	2.7	1.8	.9	.1	.1						6.8	8.9	8.0
320-340	1.0	3.8	3.3	.5	.3							8.9	9.3	9.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	20.0	36.2	29.5	9.2	2.7	.5	.1					100.0	8.8	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	6.2	2.8	.4								13.5	6.7	6.0
020-040	3.7	3.2	2.3	.5	.1	.1						9.9	7.1	6.0
050-070	2.9	3.3	1.0	.3	.1							7.6	6.6	5.0
(E) 080-100	2.6	2.5	1.3									6.3	5.9	5.0
110-130	1.9	2.3	1.0	.1								5.3	6.3	6.0
140-160	1.8	3.1	1.2	.2								6.3	6.6	6.0
(S) 170-190	3.5	3.9	4.0	1.6	.9	.1	.1					14.1	9.7	9.0
200-220	3.2	3.0	2.3	.1								8.6	6.5	6.0
230-250	2.6	1.0		.1								3.7	4.0	3.0
(W) 260-280	1.7	1.1	.9	.1								3.8	6.1	5.0
290-310	1.7	1.4	.6	.1								3.9	6.0	5.0
320-340	1.9	2.5	.8	.2								5.4	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											11.6	////////	
TOTALS	31.6	33.5	18.2	3.7	1.1	.2	.1					100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS .930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	3.9	2.6	.1								10.1	6.6	6.0
020-040	5.2	2.5	2.2	1.2	.4							11.4	7.6	5.0
050-070	4.4	2.6	1.1	.1								8.2	5.3	4.0
(E) 080-100	2.4	1.0	.8	.2								4.3	6.1	4.0
110-130	1.3	2.6	.8									4.6	6.5	6.0
140-160	1.6	4.0	1.8	.6	.1	.1						8.3	8.4	8.0
(S) 170-190	1.2	2.8	4.1	1.5	.9	.2	.1					10.8	11.5	11.0
200-220	3.8	2.0	.9	.3								7.0	5.5	4.0
230-250	3.1	1.3	.1									4.5	3.8	3.0
(W) 260-280	1.1	1.2	.8	.3								3.3	7.3	6.0
290-310	.9	.4	.1									1.4	4.4	3.0
320-340	1.5	1.7	.6	.4								4.3	6.9	6.0
VARIABLE														
CALM	////////////////////////////////////											21.8	////////	
TOTALS	30.0	26.0	15.9	4.7	1.4	.3	.1					100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	4.3	2.6	.3	.0							10.1	7.1	7.0
020-040	4.0	3.2	2.4	.7	.1	.0						10.4	7.0	6.0
050-070	2.6	3.2	1.8	.2	.1							7.8	6.8	6.0
(E) 080-100	1.6	1.9	1.1	.1								4.7	6.8	6.0
110-130	1.2	2.2	1.1	.1								4.6	7.2	7.0
140-160	1.3	2.3	1.8	.7	.1	.0						6.3	8.7	8.5
(S) 170-190	1.9	2.4	3.4	1.4	.8	.1	.0					10.1	10.5	10.0
200-220	3.5	2.7	2.4	1.4	.4	.1	.0					10.4	8.5	7.0
230-250	3.1	2.2	.7	.3	.0							6.4	5.7	5.0
(W) 260-280	1.7	1.6	.8	.2	.1	.0						4.5	7.1	6.0
290-310	1.3	1.7	1.1	.2	.1	.0						4.5	7.6	7.0
320-340	1.5	2.9	1.6	.4	.1							6.6	7.8	7.0
VARIABLE														
CALM	////////////////////											13.6	////////	
TOTALS	26.5	30.6	20.8	6.0	1.8	.2						100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.2	8.0	4.7	.4								18.3	7.0	7.0
020-040	5.4	6.8	4.9	.6	.1							17.8	7.1	6.0
050-070	3.1	7.9	5.9	.3	.2							17.4	7.9	8.0
(E) 080-100	1.2	3.5	3.4	.8								9.0	9.2	9.0
110-130	1.7	2.6	.9									5.2	6.5	6.0
140-160	1.3	1.7	.4	.5								3.9	6.8	5.0
(S) 170-190	.8	1.3	.4	.5	.1							3.2	8.6	7.0
200-220	1.2	.7	.2									2.2	5.1	3.0
230-250	.8	1.2	.3									2.4	5.8	5.0
(W) 260-280	1.1	1.8	.2	.1	.1							3.3	6.3	5.0
290-310	.7	1.1	.9	.3		.1						3.2	8.9	9.0
320-340	1.3	2.3	2.0	.5	.2							6.3	8.8	8.0
VARIABLE														
CALM	////////////////////////////////////											7.7	////////////////////////////////	
TOTALS	23.8	38.9	24.2	4.0	.7	.1						100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 964

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.7	1.4	.3								5.0	7.1	6.0
020-040	4.3	1.2	1.3	.4								7.3	5.9	4.0
050-070	2.6	3.0	1.8	.2								7.6	6.7	6.0
(E) 080-100	1.7	1.7	.6	.1	.1	.1	.1					4.3	7.2	5.0
110-130	1.2	1.3	.3									2.9	5.8	5.5
140-160	.6	1.6	2.6	1.0								5.7	10.6	11.0
(S) 170-190	1.6	2.6	5.6	2.0	.4							12.1	10.9	11.0
200-220	4.8	3.4	2.8	.2	.1							11.3	6.6	6.0
230-250	3.4	1.8	.1									5.3	4.0	4.0
(W) 260-280	1.4	.7	.4		.2							2.8	6.2	4.0
290-310	1.1	1.6	1.3	.2		.1						4.3	8.4	8.0
320-340	1.3	2.9	.7	.1	.1							5.1	6.5	6.0
VARIABLE														
CALM	////////////////////											26.2	////////	
TOTALS	25.6	23.5	18.9	4.5	.9	.2	.1					100.0	5.5	7.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.9	1.8	.7	.1							6.3	7.8	7.0
020-040	5.0	2.2	1.3	.2								8.8	5.4	4.0
050-070	2.6	1.2	1.3	.2	.1							5.4	6.7	5.0
(E) 080-100	.7	1.9	.9									3.4	6.7	7.0
110-130	.9	1.1	1.3									3.3	7.4	7.0
140-160	1.1	1.6	1.2	.4	.1							4.4	8.2	7.5
(S) 170-190	1.9	2.8	4.3	1.7	.3							11.0	10.0	10.0
200-220	6.0	2.4	1.9	.2	.3							10.9	5.8	4.0
230-250	3.3	3.1	.1									6.6	4.7	4.0
(W) 260-280	1.0	.8	.7	.3								2.8	7.3	6.0
290-310	1.4	1.4	.6		.1							3.6	6.1	5.0
320-340	.9	3.0	1.7		.1							5.7	7.8	8.0
VARIABLE														
CALM	////////////////////////////////////											27.8	////////////////////////////////	
TOTALS	26.7	23.4	17.1	3.7	1.1							100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.3	2.6	.2	.2							7.1	8.2	8.0
020-040	4.9	3.6	2.0	.4								10.9	6.1	5.0
050-070	1.7	2.6	1.0	.4								5.7	7.0	6.0
(E) 080-100	.8	1.6	1.2	.2								3.8	7.8	8.0
110-130	.9	1.7	1.1									3.7	7.4	8.0
140-160	1.0	2.6	1.4	.2	.2							5.4	8.1	7.0
(S) 170-190	1.8	2.1	4.2	1.8	.9							10.8	10.8	11.0
200-220	4.9	3.6	2.8	.4								11.7	6.4	6.0
230-250	3.6	2.1	.7									6.3	4.8	4.0
(W) 260-280	1.8	1.6	1.1	.2								4.7	6.8	6.0
290-310	.7	1.0	1.2									2.9	7.9	7.5
320-340	1.0	3.3	1.1	.3								5.8	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											21.3	////////	
TOTALS	24.9	28.1	20.4	4.1	1.3							100.0	5.8	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	4.0	5.6	.4								11.6	9.1	10.0
020-040	3.4	3.8	3.6	.2								11.0	7.3	8.0
050-070	1.8	3.1	1.2	.3								6.4	7.0	6.5
(E) 080-100	1.3	1.7	1.2	.1	.2							4.6	8.1	7.0
110-130	.7	1.4	1.1	.7								3.9	9.1	9.0
140-160	.9	2.7	1.3	.2								5.1	8.1	8.0
(S) 170-190	.6	3.4	4.2	2.4	1.2	.3						12.2	12.3	12.0
200-220	1.6	3.6	4.2	2.9	.6	.1						12.9	11.1	11.0
230-250	2.3	3.2	2.6	.6								8.7	7.6	7.0
(W) 260-280	1.1	2.6	1.1	.3	.3							5.4	8.1	6.0
290-310	1.7	2.7	2.0	.3								6.7	7.7	7.0
320-340	.9	3.2	3.0	1.0								8.1	9.4	9.0
VARIABLE														
CALM	////////////////////////////////////											3.4	////////	
TOTALS	17.9	35.4	31.1	9.4	2.3	.4						100.0	8.8	9.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.4	4.8	1.3								11.9	9.3	10.0
020-040	1.7	4.3	3.1	.4								9.6	8.3	8.0
050-070	1.0	2.9	1.6	.1								5.6	7.4	7.0
(E) 080-100	1.3	2.4	.8	.4	.1							5.1	8.1	8.0
110-130	.7	1.3	.6	.3								2.9	7.4	6.0
140-160	.7	3.3	2.0	1.0	.1							7.1	9.5	8.0
(S) 170-190	1.2	2.9	4.3	3.0	2.2							13.7	12.8	12.0
200-220	.6	2.4	5.0	3.0	1.4							12.4	12.9	13.5
230-250	.7	3.0	2.7	.7								7.0	9.2	9.0
(W) 260-280	1.0	2.2	1.9	.7	.3							6.1	9.4	9.0
290-310	.8	3.4	2.6	.4	.2							7.4	9.2	8.0
320-340	.9	3.3	5.1	.7	.1							10.1	9.6	10.0
VARIABLE														
CALM	////////////////////////////////////											1.1	////////	
TOTALS	12.9	34.8	34.5	12.0	4.4							100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	4.7	4.1	.9	.2							11.0	9.4	9.0
020-040	1.8	3.6	3.6	.8								9.7	8.5	9.0
050-070	1.1	3.0	1.1	.3								5.6	7.5	7.0
(E) 080-100	1.1	2.7	.9		.2	.1						5.0	8.0	7.0
110-130	.4	1.6	.4	.3								2.8	8.2	7.0
140-160	.6	2.1	2.4	.6	.2	.1						6.0	10.1	10.0
(S) 170-190	.7	2.9	4.0	2.7	2.1	.1						12.4	13.1	12.0
200-220	.9	3.1	5.2	3.4	1.2							13.9	12.4	12.0
230-250	1.8	2.4	1.9	.1	.2		.1					6.6	8.4	8.0
(W) 260-280	1.2	2.0	1.7	.8	.2							5.9	9.1	8.0
290-310	1.1	2.8	2.1	.7	.1	.1						6.9	9.3	8.0
320-340	1.4	4.8	5.2	1.0	.1							12.6	9.5	10.0
VARIABLE														
CALM	////////////////////////////////////											1.8	////////////////////////////////	
TOTALS	13.2	35.7	32.6	11.6	4.5	.4	.1					100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: APR      HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	4.9	2.0	.4	.2	.1						11.0	7.4	7.0
020-040	3.6	2.9	2.0	.2	.2							8.9	6.9	6.0
050-070	2.7	4.6	1.6				.1					8.9	6.4	6.0
(E) 080-100	1.3	1.7	.6		.3							3.9	7.2	5.0
110-130	1.7	2.0	.7		.1							4.4	6.3	6.0
140-160	1.6	3.8	1.9	.6	.2							8.0	8.3	8.0
(S) 170-190	2.6	5.6	5.6	1.9	.4							16.0	9.6	9.0
200-220	2.8	3.7	2.7	1.0	.1							10.2	8.0	7.0
230-250	1.7	1.0	.8		.1							3.6	6.1	5.0
(W) 260-280	.8	.8	.7	.1								2.3	7.3	8.0
290-310	1.4	.9	.7	.4	.1							3.6	7.7	5.5
320-340	2.8	4.2	3.0	.3	.1	.1						10.6	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											8.7	////////////////////////////////	
TOTALS	26.3	36.1	22.3	4.9	1.8	.2	.1					100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	3.6	1.2	.1	.4							9.0	6.2	5.0
020-040	4.0	1.9	1.6	.3	.1							7.9	6.2	4.0
050-070	3.0	2.3	1.1	.6								7.0	6.3	6.0
(E) 080-100	2.4	1.6	.8	.1	.1							5.0	5.9	5.0
110-130	1.7	1.4	1.1									4.2	6.5	5.0
140-160	.8	4.2	2.7	.6	.2							8.4	9.0	9.0
(S) 170-190	1.0	3.3	7.3	2.0	.3	.1						14.1	11.0	11.0
200-220	3.2	1.8	1.8	.2								7.0	6.5	6.0
230-250	2.3	.7	.2									3.2	3.4	2.0
(W) 260-280	1.0	.4	.6	.2								2.2	6.6	5.0
290-310	.4	1.4	1.0	.1		.2	.1					3.3	9.9	8.5
320-340	1.8	1.7	1.2	.1								4.8	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											23.8	////////	
TOTALS	25.3	24.3	20.6	4.3	1.1	.3	.1					100.0	5.7	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	3.3	2.9	.6	.2	.0						9.1	8.2	8.0
020-040	3.6	2.9	2.3	.4	.0							9.2	6.9	6.0
050-070	2.0	2.8	1.3	.3	.0		.0					6.5	6.8	6.0
(E) 080-100	1.3	1.9	.9	.1	.1	.0	.0					4.4	7.4	7.0
110-130	1.0	1.5	.8	.2	.0							3.5	7.2	7.0
140-160	.9	2.7	1.9	.6	.1	.0						6.3	9.0	9.0
(S) 170-190	1.4	3.2	4.9	2.2	1.0	.1						12.8	11.3	11.0
200-220	3.1	3.0	3.3	1.4	.5	.0						11.3	9.1	9.0
230-250	2.4	2.2	1.1	.2	.0		.0					5.9	6.4	6.0
(W) 260-280	1.2	1.4	1.0	.3	.1							4.0	8.0	7.0
290-310	1.1	1.9	1.4	.3	.1	.1	.0					4.8	8.4	8.0
320-340	1.4	3.3	2.6	.4	.1	.0						7.8	8.4	8.0
VARIABLE														
CALM	////////////////////////////////////											14.3	////////////////////////////////	
TOTALS	21.6	30.1	24.4	7.0	2.2	.2						100.0	7.2	8.0

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.2	4.0	6.6	.4	.2							16.4	7.8	8.0
020-040	7.8	10.8	6.8	.8								26.1	7.2	7.0
050-070	6.0	9.2	3.6	.4			.2					19.4	6.9	6.0
(E) 080-100	1.8	3.4	1.8	.2	1.8	.2	.2					9.4	11.1	8.0
110-130	.6	.8	.8									2.2	7.5	6.0
140-160	.2	1.2	.8									2.2	8.4	8.0
(S) 170-190	.4	2.0	1.6									4.0	8.6	9.0
200-220	.8	.8	1.0	.2								2.8	8.0	9.0
230-250	.2											.2	3.0	3.0
(W) 260-280		1.0	.6	.2								1.8	9.1	9.0
290-310	.8	.8	1.2									2.8	7.7	7.5
320-340	2.4	1.4	2.2									6.0	7.2	7.5
VARIABLE														
CALM	////////////////////											6.8	////////	
TOTALS	26.2	35.4	27.0	2.2	2.0	.2	.4					100.0	7.3	8.0

TOTAL NUMBER OF OBSERVATIONS 501

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.4	.9		.1							5.2	6.3	6.0
020-040	4.7	3.0	.8	.1								8.6	4.8	4.0
050-070	3.5	2.8	.6	.2								7.2	5.1	5.0
(E) 080-100	2.0	2.9	.3	.1								5.4	5.7	6.0
110-130	2.7	2.6	.5	.1								5.9	5.5	5.0
140-160	1.6	4.7	1.6	.1								8.1	7.3	8.0
(S) 170-190	1.1	5.6	5.2	1.7	.3							13.9	9.8	10.0
200-220	3.8	1.9	1.2	.8								7.6	6.3	5.0
230-250	1.7	.3	.2									2.3	3.7	3.0
(W) 260-280	.8	.8										1.5	4.5	4.5
290-310	.3	.8	.5									1.6	8.1	8.0
320-340	1.2	1.0	.2									2.4	5.0	4.5
VARIABLE														
CALM	////////////////////////////////////											30.4	////////	
TOTALS	25.2	28.8	12.0	3.1	.4							100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.8	1.1	.1								5.4	6.0	5.0
020-040	5.6	2.9	.6	.2								9.4	4.7	4.0
050-070	3.1	3.3	.9	.1								7.4	5.6	5.0
(E) 080-100	1.9	2.3	.5									4.7	6.0	6.0
110-130	2.6	1.9	.5	.2								5.3	5.6	5.0
140-160	1.7	4.4	1.3	.1								7.5	6.6	6.0
(S) 170-190	2.2	3.2	4.9	.9								11.2	9.0	10.0
200-220	5.2	2.2	1.2	.4	.1							9.0	5.5	4.0
230-250	2.9	.6										3.5	3.3	3.0
(W) 260-280	1.7	.5	.2									2.5	4.0	4.0
290-310	.6	1.4	.2									2.3	5.8	6.0
320-340	.6	1.7	.1									2.5	5.8	6.0
VARIABLE														
CALM	////////////////////////////////////											29.4	////////	
TOTALS	30.5	26.2	11.5	2.0	.1							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.6	1.6	.1								6.9	6.4	6.0
020-040	4.8	2.9	.2	.2	.1							8.3	4.9	..0
050-070	3.3	4.2	1.2									8.7	5.9	6.0
(E) 080-100	1.8	2.5	.6									4.9	6.0	6.0
110-130	1.4	2.5	1.2	.1								5.2	6.9	7.0
140-160	2.5	2.7	2.3	.1								7.5	6.8	6.0
(S) 170-190	2.4	4.1	3.3	.6	.3							10.8	8.7	9.0
200-220	4.6	3.5	2.3	1.0	.1							11.5	6.8	6.0
230-250	3.2	1.7	.1									5.1	3.9	3.0
(W) 260-280	1.7	.9	.3									2.9	4.4	3.0
290-310	1.5	1.2	.1									2.8	4.6	4.0
320-340	1.1	1.7	1.1									3.9	6.9	6.5
VARIABLE														
CALM	////////////////////											21.6	////////	
TOTALS	30.9	30.5	14.3	2.1	.5							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	4.0	3.8	.3								9.6	8.0	8.0
020-040	3.1	5.1	1.7	.3								10.2	6.8	6.0
050-070	2.2	3.1	1.2	.1								6.6	6.3	6.0
(E) 080-100	2.4	3.1	1.7	.1								7.3	6.9	6.0
110-130	1.4	3.0	1.8									6.2	7.0	7.0
140-160	1.9	4.3	2.5	1.1	.2							10.0	8.3	8.0
(S) 170-190	1.2	4.6	4.7	1.7	.8							13.0	10.4	10.0
200-220	1.6	4.4	5.3	1.5	.5							13.3	10.2	10.0
230-250	2.4	2.5	.3	.5								5.7	6.1	6.0
(W) 260-280	2.4	1.3	.8		.1							4.5	5.6	4.0
290-310	1.3	1.7	1.1									4.1	6.5	6.0
320-340	1.6	2.2	1.6	.1								5.5	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											4.0	////////////////////////////////	
TOTALS	23.0	39.3	26.5	5.7	1.6							100.0	7.6	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	5.4	2.9	.2								10.5	7.5	7.0
020-040	2.4	4.8	2.2	.3								9.7	7.3	7.0
050-070	1.9	3.9	1.1	.1								7.0	6.5	6.0
(E) 080-100	1.3	2.5	1.4									5.2	7.1	8.0
110-130	1.3	1.8	3.1									6.2	8.1	9.5
140-160	1.6	3.9	3.4	.9	.2							10.0	8.8	9.0
(S) 170-190	1.3	5.3	5.9	2.7	1.0	.2						16.3	10.8	10.0
200-220	1.5	4.2	4.0	1.9	.8							12.4	10.5	10.0
230-250	1.7	3.1	1.0	.1	.3							6.2	7.1	6.0
(W) 260-280	1.1	2.3	.5	.1								4.0	6.4	6.0
290-310	.8	2.6	1.6									4.9	7.5	7.5
320-340	1.3	2.8	2.4	.1								6.6	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											1.0	////////////////////////////////	
TOTALS	18.2	42.6	29.5	6.4	2.3	.2						100.0	8.3	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	4.9	2.2	.2								9.8	7.1	6.0
020-040	3.4	5.2	1.7	.2								10.5	6.3	6.0
050-070	2.3	3.0	1.3									6.6	6.2	6.0
(E) 080-100	1.3	2.2	1.0									4.4	6.5	6.0
110-130	1.0	3.0	1.7	.1								5.8	7.7	8.0
140-160	.9	5.4	3.2	1.1	.1							10.6	8.9	9.0
(S) 170-190	.8	6.3	7.0	2.8	.6	.2						17.7	11.0	10.0
200-220	1.9	3.3	2.6	2.5	.4							10.8	10.1	10.0
230-250	1.8	2.2	.8	.1	.1							4.9	6.4	6.0
(W) 260-280	1.5	.8	.8	.2	.1							3.3	6.9	5.0
290-310	1.5	3.2	1.6	.1								6.5	6.9	6.5
320-340	2.5	3.2	2.0	.2								8.0	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											1.1	////////	
TOTALS	21.4	42.7	25.9	7.5	1.3	.2						100.0	8.0	8.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: MAY      HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	4.1	.9									8.8	5.3	5.0
020-040	4.8	2.6	1.6	.2								9.2	5.6	4.0
050-070	3.4	2.0	.8									6.2	4.7	4.0
(E) 080-100	4.0	1.8	.6									6.5	4.8	4.0
110-130	3.3	3.2	.5									7.1	4.9	5.0
140-160	3.5	10.0	2.2	.1								15.8	6.7	6.0
(S) 170-190	2.9	7.5	4.3	1.7	.3							16.8	8.7	8.0
200-220	2.2	1.5	1.1	.3								5.1	6.9	5.0
230-250	1.0	1.0	.1									2.0	4.6	5.0
(W) 260-280	1.4	.6	.6	.1								2.8	6.2	4.5
290-310	2.2	1.1	.5									3.8	5.1	4.0
320-340	1.3	2.5	.6	.1								4.5	6.6	7.0
VARIABLE														
CALM	////////////////////////////////////											11.4	////////	
TOTALS	33.9	37.9	13.8	2.5	.3							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	1.6	.8	.1								5.5	5.1	4.0
020-040	4.2	1.6	1.7	.1								7.6	5.6	4.0
050-070	4.1	1.6	.9									6.6	4.6	3.0
(E) 080-100	3.2	1.8	.2	.2								5.5	5.1	4.0
110-130	4.9	4.9	.8									10.6	5.1	5.0
140-160	2.8	6.1	2.0	.2	.1							11.3	7.0	7.0
(S) 170-190	2.0	6.2	4.2	2.5	.5							15.5	9.6	9.0
200-220	2.3	.8	.4	.1								3.5	4.7	3.0
230-250	1.3	.2	.2									1.7	4.3	3.5
(W) 260-280	.2	.6	.4									1.3	8.0	7.0
290-310	.3	.5	.3									1.2	6.9	7.0
320-340	.9	.9	.2	.1								2.0	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											27.6	////////////////////////////////	
TOTALS	29.2	26.8	12.1	3.3	.6							100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	3.3	1.7	.1	.0							7.7	6.6	6.0
020-040	4.1	3.5	1.3	.2	.0							9.2	5.8	5.0
050-070	3.0	3.0	1.0	.1								7.0	5.7	5.0
(E) 080-100	2.2	2.4	.8	.1								5.5	6.0	6.0
110-130	2.3	2.9	1.3	.1								6.5	6.2	6.0
140-160	2.1	5.2	2.3	.5	.1							10.1	7.6	7.0
(S) 170-190	1.7	5.4	4.9	1.8	.5	.1						14.4	9.8	10.0
200-220	2.9	2.7	2.2	1.1	.2							9.2	8.2	8.0
230-250	2.0	1.5	.3	.1	.1							3.9	5.3	4.0
(W) 260-280	1.3	1.0	.5	.1	.0							2.8	5.8	5.0
290-310	1.1	1.6	.8	.0								3.4	6.5	6.0
320-340	1.3	2.0	1.0	.1								4.4	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											15.8	////////	
TOTALS	26.5	34.5	18.1	4.3	.9	.1						100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	4.5	1.7	.5								10.1	6.7	6.0
020-040	3.3	6.8	4.7	1.4	.2							16.5	8.2	8.0
050-070	3.8	11.8	3.8	.7								20.0	7.3	7.0
(E) 080-100	3.1	5.4	2.1	.7								11.3	7.4	7.5
110-130	1.4	3.8	1.2									6.4	6.6	6.0
140-160	1.9	2.1	.5									4.5	5.3	5.0
(J) 170-190	.9	1.7	.2		.5							3.3	7.8	6.0
200-220	1.7	1.2	.2									3.1	5.2	4.0
230-250	.7	1.9	.2									2.8	6.5	7.0
(W) 260-280	1.4	.7	.2									2.4	4.1	3.5
290-310	1.7	1.4	.5									3.5	4.9	5.0
320-340	1.7	4.2	1.4									7.3	7.0	7.0
VARIABLE														
CALM	////////////////////											8.7	////////	
TOTALS	25.1	45.5	16.7	3.3	.7							100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 424

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.2	.2	.1								3.0	5.1	5.0
020-040	4.7	1.4	.3	.2								6.7	4.1	3.0
050-070	3.9	1.3	.1									5.3	3.9	3.0
(E) 080-100	2.3	1.0	.7									4.0	4.9	3.5
110-130	2.7	1.9	.4									5.0	5.0	4.0
140-160	3.1	4.4	1.7	.1	.1							9.4	6.6	6.0
(S) 170-190	3.6	6.9	5.4	1.1								17.0	8.1	8.0
200-220	4.1	3.4	1.1	.2								8.9	5.7	5.0
230-250	2.4	.4	.4	.1								3.4	4.8	4.0
(W) 260-280	1.2	.3										1.6	3.2	3.0
290-310	.6	.1										.7	2.0	1.0
320-340	1.0	.7	.2									1.9	5.3	4.0
VARIABLE														
CALM	////////////////////////////////////											33.1	////////	
TOTALS	31.0	23.0	10.5	1.8	.1							100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.9			.1							3.0	4.0	3.0
020-040	6.8	1.4	.4	.2								8.9	3.8	3.0
050-070	4.2	2.3	.2		.3							7.1	5.0	4.0
(E) 080-100	3.2	.9	.2	.1								4.4	4.3	3.0
110-130	.8	1.1	.4	.1								2.4	6.7	6.0
140-160	2.3	1.7	2.0	.1								6.1	6.7	5.0
(S) 170-190	3.9	3.9	3.7									11.4	6.8	7.0
200-220	6.2	4.6	1.7	.4								12.9	5.5	5.0
230-250	3.3	.8										4.1	3.4	3.0
(W) 260-280	1.6	.4	.1									2.1	3.6	3.0
290-310	.8	.1	.2									1.1	4.3	2.5
320-340	1.3	.8	.2						.1			2.4	6.1	4.0
VARIABLE														
CALM	////////////////////////////////////											33.9	////////	
TOTALS	36.4	18.9	9.1	.9	.4				.1			100.0	3.5	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.4	.7	.1		.1						3.8	6.3	5.0
020-040	7.1	3.3	.8	.2								11.4	4.4	4.0
050-070	4.0	2.6	.6									7.1	4.5	4.0
(E) 080-100	2.2	1.7	.2									4.1	4.6	4.0
110-130	2.4	1.1	.6									4.1	4.8	4.0
140-160	2.3	2.8	1.6	.1								6.8	6.6	6.0
(S) 170-190	4.3	5.4	4.2	.6	.1							14.7	7.5	7.5
200-220	4.2	5.8	2.8	.6								13.3	7.0	6.0
230-250	3.3	.8	.1									4.2	3.3	3.0
(W) 260-280	1.7	.2	.3									2.2	3.7	2.0
290-310	.7	.8	.1									1.6	5.1	5.0
320-340	.9	1.8	.3									3.0	6.1	6.0
VARIABLE														
CALM	////////////////////											23.7	////////	
TOTALS	34.5	27.7	12.3	1.6	.1	.1						100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	3.2	.7									6.1	5.5	6.0
020-040	3.3	4.7	1.0	.1								9.1	5.6	5.0
050-070	2.1	4.0	1.1	.1								7.3	6.3	6.0
(E) 080-100	1.4	2.4	.6									4.4	5.9	6.0
110-130	2.4	2.1	.8	.1								5.4	5.7	5.0
140-160	3.6	3.7	1.7									8.9	6.0	6.0
(S) 170-190	2.8	6.0	5.2	1.3	.7							16.0	8.8	9.0
200-220	3.7	7.0	6.0	1.2	.3	.1						18.3	8.8	8.0
230-250	3.1	2.3	.3	.1								5.9	5.0	4.0
(W) 260-280	3.0	1.0	.2	.2								4.4	4.3	3.0
290-310	1.4	1.1	.2									2.8	4.8	4.0
320-340	1.3	2.4	1.6									5.3	7.0	6.5
VARIABLE														
CALM	////////////////////											5.9	////////	
TOTALS	30.3	39.9	19.4	3.1	1.0	.1						100.0	6.4	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	2.4	1.1									6.4	5.4	5.0
020-040	2.6	4.4	.7									7.7	6.0	6.0
050-070	2.8	5.3	1.7									9.8	6.1	6.0
(E) 080-100	1.9	2.8	.6									5.2	5.8	6.0
110-130	2.4	2.3	.4	.2								5.4	5.3	5.0
140-160	3.0	3.8	2.1	.2								9.1	6.5	6.0
(S) 170-190	3.6	7.2	6.7	2.0	.7							20.1	9.1	9.0
200-220	3.1	6.0	5.1	1.4	.2	.1						16.0	8.9	8.0
230-250	1.7	1.8	1.0	.1								4.6	6.5	6.0
(W) 260-280	1.4	1.2	.1	.2								3.0	5.6	5.0
290-310	2.2	1.8	.4									4.4	5.0	4.5
320-340	2.1	2.2	1.0									5.3	6.4	6.5
VARIABLE														
CALM	////////////////////											2.9	////////	
TOTALS	29.7	41.2	20.9	4.1	.9	.1						100.0	6.9	6.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	4.0	.7	.1								8.0	5.7	5.5
020-040	3.2	3.2	.8									7.2	5.6	5.0
050-070	3.7	3.9	.9									8.4	5.3	5.0
(E) 080-100	3.0	3.9	.2									7.1	5.3	5.0
110-130	2.9	3.0	.4									6.3	4.9	5.0
140-160	3.9	6.9	2.8	.3								13.9	6.8	6.0
(S) 170-190	1.7	9.9	8.8	1.8	.8	.1						23.0	9.9	9.0
200-220	2.1	4.2	3.0	.2								9.6	7.4	8.0
230-250	1.7	.9	.1									2.7	4.8	4.0
(W) 260-280	1.0	.3	.3									1.7	4.8	3.0
290-310	2.0	2.3	.6									4.9	5.6	5.0
320-340	1.8	2.4	.6									4.8	5.6	6.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	30.2	44.9	19.2	2.4	.8	.1						100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	2.1	.4									4.3	5.5	5.0
020-040	3.6	3.3	.2									7.1	4.9	4.5
050-070	4.7	3.2	.6									8.4	4.9	4.0
(E) 080-100	7.4	2.0										9.4	3.3	3.0
110-130	4.8	2.2	.1									7.1	4.0	4.0
140-160	5.8	10.1	2.2	.3								18.4	6.2	6.0
(S) 170-190	3.7	9.2	7.8	1.0								21.7	8.4	8.0
200-220	2.0	1.1	.3	.2	.2							3.9	6.3	4.0
230-250	1.0	.1	.1									1.2	3.5	2.0
(W) 260-280	.8	.4	.1									1.3	4.5	4.0
290-310	1.3	.7			.1							2.1	5.0	4.0
320-340	1.4	1.6			.1							3.1	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											11.8	////////	
TOTALS	38.3	36.0	11.8	1.5	.4							100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.7	.9									2.9	6.3	6.0
020-040	3.7	1.1	.1	.1								5.0	3.9	3.0
050-070	4.9	1.3	.1									6.3	3.7	3.0
(E) 080-100	4.1	1.8	.1									6.0	3.7	3.0
110-130	4.7	1.4	.8	.1								7.0	4.5	3.0
140-160	4.8	9.6	3.1	.3								17.8	6.6	6.0
(S) 170-190	3.1	6.9	6.8	2.0								18.8	8.7	9.0
200-220	3.0	1.6	.3	.1								5.0	4.5	3.0
230-250	1.3		.1									1.4	2.8	2.0
(W) 260-280	.4	.2	.1									.8	4.1	3.0
290-310	.7		.1									.8	3.4	2.0
320-340	.6	.6		.1								1.2	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											27.0	////////	
TOTALS	32.6	25.2	12.5	2.7								100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: JUN      HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	2.0	.6	.0	.0	.0						4.7	5.5	5.0
020-040	4.4	2.9	.5	.1								7.9	4.8	4.0
050-070	3.8	3.0	.7	.0	.0							7.5	5.1	4.0
(E) 080-100	3.2	2.1	.3	.0								5.6	4.6	4.0
110-130	2.9	1.9	.5	.1								5.4	4.9	4.0
140-160	3.6	5.4	2.1	.2	.0							11.3	6.5	6.0
(S) 170-190	3.3	6.9	6.1	1.2	.3	.0						17.8	8.6	8.0
200-220	3.6	4.2	2.5	.6	.1	.0						11.0	7.2	7.0
230-250	2.2	.9	.3	.0								3.4	4.5	4.0
(W) 260-280	1.4	.5	.2	.1								2.1	4.3	3.0
290-310	1.2	.9	.2		.0							2.3	4.9	4.0
320-340	1.3	1.6	.5	.0	.0				.0			3.4	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											17.6	////////////////////////////////	
TOTALS	32.9	32.3	14.5	2.3	.4							100.0	5.2	6.0
TOTAL NUMBER OF OBSERVATIONS 7200														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	5.0	3.7	1.7	.4								10.8	5.8	5.0
020-040	13.3	7.1	3.3									23.7	4.8	4.0
050-070	13.7	7.5	1.2	.4	.4							23.2	5.0	4.0
(E) 080-100	5.0	1.2										6.2	2.9	2.0
110-130	3.3	1.2	.8									5.4	4.7	3.0
140-160	.8	1.2	.8									2.9	7.0	6.0
(S) 170-190	1.7	1.2	2.9									5.8	8.0	9.0
200-220	.4	.4										.8	4.5	4.5
230-250	2.1	1.2	.4									3.7	4.8	4.0
(W) 260-280		.8	.4									1.2	6.7	5.0
290-310	1.2		.4									1.7	4.8	3.0
320-340	.4	2.9										3.3	5.9	5.5
VARIABLE														
CALM	////////////////////////////////////											11.2	////////	
TOTALS	46.9	28.4	11.9	.8	.4							100.0	4.6	4.0

TOTAL NUMBER OF OBSERVATIONS 241

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	.9	.2									4.0	3.7	3.0
020-040	5.2	1.5	.2									6.9	3.8	3.0
050-070	2.7	1.5	.4									4.6	4.6	4.0
(E) 080-100	1.4	.5	.3									2.3	4.5	3.0
110-130	2.4	2.0	.5									4.9	4.9	5.0
140-160	3.7	5.2	1.2	.3								10.3	6.0	6.0
(S) 170-190	3.7	10.8	6.5	.6								21.5	7.9	8.0
200-220	4.9	7.0	1.5	.1								13.5	5.8	6.0
230-250	1.5	.5	.2									2.3	4.0	3.0
(W) 260-280	1.2	.2	.1									1.5	3.4	2.5
290-310	.6	.2	.2									1.1	5.2	4.0
320-340	.4	.3										.8	3.7	2.0
VARIABLE														
CALM	////////////////////////////////////											26.3	////////	
TOTALS	30.6	30.6	11.3	1.0								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.5	.1									2.9	3.3	3.0
020-040	6.1	1.5	.1			.1						7.8	3.4	3.0
050-070	3.4	1.6	.1									5.2	3.8	3.5
(E) 080-100	1.3	.9	.1									2.3	4.3	4.0
110-130	1.4	.9	.1									2.4	4.3	4.0
140-160	2.3	2.0	.9	.1								5.3	6.0	5.0
(S) 170-190	4.9	6.3	3.0		.2							14.5	6.6	7.0
200-220	7.7	7.0	2.0									16.8	5.3	5.0
230-250	4.0	1.0	.1									5.1	3.4	3.0
(W) 260-280	1.3	.1	.1									1.5	3.4	3.0
290-310	.6	.2			.1							1.0	5.0	3.0
320-340	.6	.5	.3									1.5	5.8	5.5
VARIABLE														
CALM	////////////////////////////////////											33.9	////////	
TOTALS	35.9	22.5	6.9	.1	.3	.1						100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.8	.1									2.5	3.8	4.0
020-040	7.7	2.7	.3									10.8	3.7	3.0
050-070	3.2	.8	.2									4.2	3.9	4.0
(E) 080-100	1.8	1.0	.3	.1								3.2	4.8	4.0
110-130	1.6	.5	.2	.1								2.5	4.4	2.0
140-160	2.5	1.1	.4									4.0	4.3	3.0
(S) 170-190	5.4	5.8	4.0	1.1								16.2	7.3	7.0
200-220	8.6	7.8	3.1	.1								19.7	5.8	6.0
230-250	4.7	1.5	.3									6.6	3.9	4.0
(W) 260-280	1.3	.4			.1							1.8	4.0	3.0
290-310	.5	.3	.1									1.0	4.8	4.0
320-340	1.2	1.0	.1	.1								2.4	4.8	4.5
VARIABLE														
CALM	////////////////////////////////////											25.3	////////////////////////////////	
TOTALS	40.1	23.7	9.1	1.5	.1							100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.6	.6									6.0	5.2	5.0
020-040	5.2	4.1	.5	.1								9.9	4.8	4.0
050-070	2.9	2.7	.1									5.7	4.5	4.0
(E) 080-100	2.3	2.5	.1									4.8	4.5	5.0
110-130	1.7	1.8	.4									4.0	5.4	5.0
140-160	3.3	2.0	.9	.2								6.5	5.6	4.0
(S) 170-190	4.5	6.2	3.8	.4	.1							15.1	7.2	6.0
200-220	7.8	15.3	6.6	.2	.3							30.2	7.0	7.0
230-250	3.3	3.1	1.0									7.4	5.4	5.0
(W) 260-280	1.2	.8	.1									2.0	4.3	3.0
290-310	1.6	.3	.1									2.0	4.2	4.0
320-340	1.3	1.1	.1									2.5	4.6	3.0
VARIABLE														
CALM	////////////////////////////////////											3.9	////////	
TOTALS	37.9	42.5	14.3	.9	.4							100.0	5.7	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: JUL      HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	3.8	.9	.1								6.8	5.9	5.0
020-040	4.1	5.9	1.3									11.3	5.7	5.0
050-070	3.9	2.6	.1									6.6	4.3	4.0
(E) 080-100	1.4	1.4	.3	.1								3.2	5.4	5.0
110-130	2.5	2.5	.3									5.3	4.8	5.0
140-160	4.9	4.4	.9									10.2	5.3	5.0
(S) 170-190	5.4	8.9	7.3	1.0								22.6	7.8	8.0
200-220	2.6	9.6	7.1	.8								20.0	8.3	8.0
230-250	2.9	1.7	.6	.1								5.4	5.5	4.0
(W) 260-280	1.2	1.0		.1								2.3	5.1	4.0
290-310	.9	.6	.1									1.6	4.5	4.0
320-340	1.3	1.1	.2									2.6	4.9	4.5
VARIABLE														
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	33.1	43.5	19.1	2.2								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	3.5	1.2	.1								7.6	6.0	5.0
020-040	3.4	4.3	.9	.2								8.8	5.9	6.0
050-070	3.0	4.4	.1	.1								7.6	5.2	5.0
(E) 080-100	4.0	2.9	.2									7.1	4.5	4.0
110-130	2.7	2.5	.6	.1								5.9	5.3	5.0
140-160	4.3	7.8	2.2									14.3	6.2	6.0
(S) 170-190	3.3	10.2	8.3	1.7	.1							23.7	8.7	8.0
200-220	3.3	6.1	5.6	.1								15.2	7.6	8.0
230-250	1.2	.8	.5									2.5	6.0	5.0
(W) 260-280	.6	.2	.1									1.0	5.2	4.0
290-310	1.1	.9	.1									2.0	4.8	4.0
320-340	1.3	.8	.1									2.2	4.6	4.0
VARIABLE														
CALM	////////////////////											2.2	////////	
TOTALS	31.0	44.4	19.9	2.3	.1							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	1.7	.1									5.2	3.7	3.0
020-040	5.6	2.7	1.5	.2								10.0	5.2	4.0
050-070	5.3	2.2	.1									7.5	3.8	3.0
(E) 080-100	5.4	2.9	.4									8.7	4.1	4.0
110-130	4.3	3.0	.2									7.5	4.6	4.0
140-160	7.7	10.4	2.4	.2								20.8	5.9	6.0
(S) 170-190	5.4	12.3	7.3	.4								25.4	7.5	8.0
200-220	2.6	2.4	1.1	.2								6.2	6.0	5.5
230-250	.2											.2	2.5	2.5
(W) 260-280	.5			.1								.6	5.2	3.5
290-310	.2	.2	.1									.5	6.6	6.0
320-340	.3	.5	.4									1.3	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											6.0	////////	
TOTALS	40.8	38.3	13.6	1.1								100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.5										1.8	3.9	4.0
020-040	3.9	1.5	.8									6.1	4.8	4.0
050-070	4.2	1.7	.2									6.1	3.9	3.0
(E) 080-100	3.7	1.4	.1									5.2	3.8	3.0
110-130	5.4	2.8	.2									8.4	4.1	4.0
140-160	6.0	11.5	2.9	.1	.1							20.6	6.3	6.0
(S) 170-190	3.7	12.0	8.0	1.0	.1							24.7	8.2	8.0
200-220	1.8	2.3	.9									4.9	6.1	6.5
230-250	.9	.2										1.1	3.5	3.0
(W) 260-280	.4		.1		.1							.6	7.2	3.0
290-310	.3		.1									.4	4.8	4.0
320-340	1.0	.3										1.3	3.4	3.0
VARIABLE														
CALM	////////////////////////////////////											18.6	////////	
TOTALS	32.6	34.2	13.3	1.1	.3							100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: JUL      HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.8	.4	.0								4.6	4.8	4.0
020-040	5.1	3.0	.7	.1		.0						9.0	4.7	4.0
050-070	3.6	2.2	.2	.0								5.9	4.3	4.0
(E) 080-100	2.6	1.7	.2	.0								4.6	4.4	4.0
110-130	2.7	2.0	.3	.0								5.1	4.7	4.0
140-160	4.3	5.6	1.5	.1	.0							11.5	5.9	5.0
(S) 170-190	4.5	9.1	6.0	.8	.1							20.5	7.7	8.0
200-220	4.9	7.2	3.5	.2	.0							15.8	6.7	6.0
230-250	2.3	1.1	.3	.0								3.8	4.6	4.0
(W) 260-280	1.0	.3	.1	.0	.0							1.4	4.5	3.0
290-310	.7	.3	.1		.0							1.2	4.8	4.0
320-340	.9	.7	.2	.0								1.8	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											14.8	////////////////////////////////	
TOTALS	35.0	35.0	13.5	1.2	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	6.7	2.6	.5									9.8	4.1	4.0
020-040	22.7	5.7	1.5									29.9	3.8	4.0
050-070	11.9	4.6										16.5	3.6	4.0
(E) 080-100	2.1	2.1	.5									4.6	5.4	5.0
110-130	1.0	1.0										2.1	4.8	4.0
140-160	2.1	1.0	.5		.5							4.1	6.6	4.5
(S) 170-190	1.0	1.0	1.0									3.1	6.7	6.0
200-220	3.1	1.5										4.6	3.8	4.0
230-250	2.6											2.6	3.2	3.0
(W) 260-280			.5	.5	.5							1.5	16.0	15.0
290-310		1.5			.5							2.1	9.8	7.0
320-340	.5	1.5										2.1	4.8	5.0
VARIABLE														
CALM	////////////////////////////////////											17.0	////////	
TOTALS	53.7	22.5	4.5	.5	1.5							100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 194

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.5		.2								2.3	4.2	2.0
020-040	5.8	.9	.2	.1	.1							7.1	3.6	2.0
050-070	5.3	2.0	.2									7.5	3.6	3.0
(E) 080-100	1.9	1.3	.2	.1								3.5	4.8	4.0
110-130	2.8	3.3	.3									6.5	4.9	5.0
140-160	3.0	5.7	2.8	.5								12.0	7.4	8.0
(S) 170-190	4.5	7.3	4.0	.4	.1							16.3	7.2	7.0
200-220	6.1	3.4	1.2									10.8	4.7	4.0
230-250	1.5	.6	.1									2.3	3.9	2.0
(W) 260-280	.4											.4	2.3	2.0
290-310	.1	.1	.1									.3	7.0	7.0
320-340	.6	.1	.1	.1								1.0	5.9	4.0
VARIABLE														
CALM	////////////////////////////////////											30.0	////////	
TOTALS	33.5	25.2	9.2	1.4	.2							100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	.4	.1									3.2	3.3	3.0
020-040	7.5	1.8	.2									9.6	3.2	2.0
050-070	4.2	1.3	.4	.1								6.0	4.0	3.0
(E) 080-100	2.9	1.0	.1	.1								4.1	3.8	3.0
110-130	1.6	1.9	.3	.1	.2							4.2	6.1	5.0
140-160	1.6	3.9	1.7									7.2	7.1	7.0
(S) 170-190	6.2	4.0	1.9									12.2	5.3	4.0
200-220	8.8	3.1	1.3									13.2	4.0	3.0
230-250	2.6	.5	.1									3.2	2.8	2.0
(W) 260-280	.6	.2	.1									1.0	4.1	3.0
290-310	.4		.1									.5	3.8	2.0
320-340	.8	.3										1.1	3.9	3.5
VARIABLE														
CALM	////////////////////////////////////											34.5	////////	
TOTALS	39.9	18.4	6.3	.3	.2							100.0	2.9	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	.5	.2									3.2	3.6	3.0
020-040	8.4	2.6	.4									11.4	3.4	2.0
050-070	4.5	1.7	1.0									7.2	4.4	3.0
(E) 080-100	2.7	2.0	.4									5.2	4.8	4.0
110-130	2.3	2.8	.3									5.4	5.2	5.0
140-160	3.1	2.7	1.0									6.8	5.7	5.0
(S) 170-190	4.7	4.4	1.6									10.8	5.4	5.0
200-220	10.0	4.0	1.3	.2								15.5	4.5	3.5
230-250	3.3	1.3										4.6	3.5	3.0
(W) 260-280	.8											.8	2.1	2.0
290-310	.8	.2										1.0	3.0	2.0
320-340	.8	.5	.1									1.4	4.5	3.0
VARIABLE														
CALM	////////////////////////////////////											26.9	////////	
TOTALS	43.9	22.7	6.3	.2								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.5	.3									4.4	5.4	5.0
020-040	4.4	3.1	1.0									8.5	5.1	4.0
050-070	3.9	4.1	1.0									8.9	5.5	6.0
(E) 080-100	3.0	3.0	.4									6.5	5.1	5.0
110-130	2.5	2.4	.6									5.5	5.6	5.0
140-160	2.6	5.2	1.3	.3	.1							9.5	7.0	6.5
(S) 170-190	3.8	8.1	3.8	.3								15.9	7.1	7.0
200-220	5.2	10.3	4.2	.2								19.9	6.9	6.0
230-250	3.0	4.3	1.4									8.7	5.9	6.0
(W) 260-280	1.8	.2										2.0	3.2	3.0
290-310	1.9	.5										2.5	2.9	2.0
320-340	1.4	1.1										2.5	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											5.3	////////	
TOTALS	35.1	44.8	14.0	.8	.1							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATIC NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	3.4	.8	.1								6.7	5.9	6.0
020-040	4.0	5.2	1.2									10.3	5.7	6.0
050-070	3.0	3.7	1.1									7.7	5.6	5.0
(E) 080-100	2.8	3.5	.9	.1								7.3	5.8	5.0
110-130	2.0	3.0	.9									5.9	5.9	6.0
140-160	3.0	6.6	2.2	.1	.2							12.0	7.0	6.0
(S) 170-190	3.0	7.2	5.4	.2	.1							15.9	8.0	8.0
200-220	3.0	7.7	6.6	.9	.2							18.4	8.3	8.0
230-250	2.2	3.0	.8									5.9	6.1	6.0
(W) 260-280	1.4	1.2										2.6	4.4	4.0
290-310	1.2	.9	.1									2.2	4.1	4.0
320-340	1.4	1.6	.4									3.4	5.5	5.5
VARIABLE														
CALM	////////////////////////////////////											1.6	////////	
TOTALS	29.4	47.0	20.4	1.4	.5							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	2.6	.3									6.3	4.7	4.0
020-040	5.2	6.3	1.3	.1								12.9	5.7	5.0
050-070	2.3	5.3	.8	.1								8.4	6.3	6.0
(E) 080-100	2.4	2.4	.3									5.1	5.2	5.0
110-130	2.6	5.4	1.1	.1								9.1	6.3	6.0
140-160	2.4	7.4	2.8	.2								12.8	7.2	7.0
(S) 170-190	4.6	8.3	6.5	.6	.2							20.2	7.9	8.0
200-220	3.9	5.7	3.1	.5	.1							13.3	7.4	7.0
230-250	1.4	1.3	.4									3.1	6.0	6.0
(W) 260-280	1.3	.1										1.4	3.2	3.0
290-310	1.8	.5	.1									2.5	3.8	4.0
320-340	1.6	1.0	.4	.1								3.1	5.5	4.0
VARIABLE														
CALM	////////////////////////////////////											1.7	////////	
TOTALS	32.9	46.3	17.1	1.7	.3							100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: AUG      HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	1.3	.4	.1	.1	.1						5.5	5.5	4.0
020-040	5.6	3.2	1.1									9.9	5.0	4.0
050-070	5.8	4.3	1.0	.1								11.2	5.0	4.0
(E) 080-100	4.0	2.0										6.0	4.3	4.0
110-130	5.6	4.3	.4	.1								10.4	4.7	4.0
140-160	9.0	10.9	2.3	.1								22.3	5.9	5.0
(S) 170-190	6.1	6.2	3.1	.1								15.6	6.1	5.0
200-220	1.4	2.7	.5									4.6	6.0	6.0
230-250	.2	.1										.3	2.7	1.0
(W) 260-280	.5	.1										.6	3.5	2.0
290-310	.4	.1		.2								.8	6.9	3.0
320-340	.8	1.1	.2									2.0	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											10.8	////////////////////////////////	
TOTALS	42.8	36.3	9.0	.7	.1	.1						100.0	4.8	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.3	.1									2.2	3.2	2.5
020-040	4.3	2.3	.5									7.1	4.6	4.0
050-070	5.7	2.9	.4	.1								9.1	4.4	4.0
(E) 080-100	3.3	1.7	.3									5.4	4.2	4.0
110-130	5.5	3.8	.4									9.7	4.8	4.0
140-160	6.9	9.5	4.5	.1	.2							21.2	6.6	6.0
(S) 170-190	4.0	7.0	5.2	.9								17.0	7.8	8.0
200-220	2.5	.6	.5									3.7	4.4	3.0
230-250	1.1											1.1	2.6	3.0
(W) 260-280	.5											.5	2.0	2.0
290-310	.2		.1									.3	5.0	3.0
320-340	.4											.4	2.3	2.0
VARIABLE														
CALM	////////////////////////////////////											22.4	////////////////////////////////	
TOTALS	36.1	28.1	12.0	1.1	.2							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: AUG      HOURS: ALL

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		2.4	1.5	.3	.1	.0	.0					4.2	4.8	4.0
020-040		5.6	3.2	.7	.0	.0						9.6	4.6	4.0
050-070		4.3	3.2	.7	.1							8.3	4.9	4.0
(E) 080-100		2.9	2.1	.3	.0							5.4	4.8	4.0
110-130		3.1	3.4	.6	.0	.0						7.1	5.4	5.0
140-160		4.0	6.5	2.3	.2	.1						13.0	6.7	6.0
(S) 170-190		4.6	6.6	3.9	.3	.1						15.5	7.0	7.0
200-220		5.1	4.7	2.3	.2	.0						12.4	6.1	5.0
230-250		1.9	1.4	.3								3.7	4.9	4.0
(W) 260-280		.9	.2	.0								1.2	3.4	3.0
290-310		.9	.3	.1	.0							1.2	3.9	3.0
320-340		1.0	.7	.2	.0							1.9	5.0	4.0
VARIABLE														
CALM		////////////////////										16.6	////////	
TOTALS		36.7	33.8	11.7	.9	.2						100.0	4.8	5.0
TOTAL NUMBER OF OBSERVATIONS 7440														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.9	.6	.3		.3						6.5	7.3	6.0
020-040	10.9	8.6	2.9	.3								22.7	5.5	5.0
050-070	8.0	8.3	5.3	.6								22.1	6.6	7.0
(E) 080-100	5.6	5.0	.6									11.2	4.6	4.5
110-130	3.2	3.8										7.1	5.3	5.5
140-160	.3	3.2	.6									4.1	7.4	7.5
(S) 170-190	.9	1.2										2.1	5.0	5.0
200-220	2.4	.3	.6									3.2	4.4	2.0
230-250	.6	.6										1.2	4.0	4.5
(W) 260-280	.9											.9	2.0	2.0
290-310	.3	.6										.9	4.7	5.0
320-340	2.1	2.7										4.7	4.9	5.0
VARIABLE														
CALM	////////////////////////////////////											13.3	////////////////////////////////	
TOTALS	37.6	37.2	10.6	1.2		.3						100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 339

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: SEP      HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.2		.3								3.8	5.1	4.0
020-040	6.3	2.0	.7									9.0	4.0	3.0
050-070	2.4	1.4	.3									4.2	4.6	4.0
(E) 080-100	1.6	.8										2.3	3.7	3.0
110-130	1.8	2.3	.3									4.4	5.4	5.5
140-160	1.2	5.1	2.2	.2								8.8	7.5	7.0
(S) 170-190	3.1	6.7	6.2	.8								16.8	8.3	8.0
200-220	4.9	4.9	2.2	.4								12.4	6.2	6.0
230-250	1.9	.4										2.3	2.6	2.0
(W) 260-280	.3											.3	2.7	2.0
290-310	.3	.2	.1									.7	6.2	5.0
320-340	1.7	1.0	.1									2.8	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											32.1	////////	
TOTALS	27.7	26.0	12.1	1.7								100.0	4.1	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.7	.9									5.2	5.3	4.0
020-040	7.0	2.2	.9	.1								10.2	4.0	3.0
050-070	3.0	1.3	.4									4.8	4.4	4.0
(E) 080-100	1.3	.4										1.8	3.7	4.0
110-130	1.6	1.7	.2									3.4	4.9	5.0
140-160	2.0	1.9	.9	.3								5.1	6.5	5.5
(S) 170-190	4.4	4.7	4.3	.8								14.2	7.4	7.0
200-220	4.6	4.1	2.0	.6	.1		.1					11.4	6.7	6.0
230-250	2.9											2.9	2.5	2.0
(W) 260-280	1.1	.2										1.3	2.6	2.0
290-310	.9	.6	.1		.1							1.7	5.5	4.0
320-340	1.0	1.0	.2	.1								2.3	5.9	6.0
VARIABLE														
CALM	////////////////////											35.6	////////	
TOTALS	32.5	19.8	9.9	1.9	.2		.1					100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: SEP      HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	2.1	.9									6.0	5.1	4.5
020-040	5.0	3.2	.9	.1								9.2	4.9	4.0
050-070	3.8	2.2	.7									6.7	4.9	4.0
(E) 080-100	1.3	1.1	.3									2.8	5.1	5.0
110-130	.9	.8	.3									2.0	5.8	5.5
140-160	2.4	1.9	.7	.1								5.1	5.3	5.0
(S) 170-190	4.7	6.4	3.2	1.0	.2							15.6	7.3	7.0
200-220	5.0	4.7	2.7	.3	.1							12.8	6.2	6.0
230-250	2.6	.3	.1									3.0	3.2	2.0
(W) 260-280	.8	.2										1.0	4.0	4.0
290-310	.7	.2										.9	3.0	2.0
320-340	1.0	1.3	.1									2.4	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											32.6	////////////////////////////////	
TOTALS	31.2	24.4	9.9	1.5	.3							100.0	3.8	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	3.3	1.9	.2								7.4	7.1	7.0
020-040	3.7	6.1	2.1	.1								12.0	6.3	6.0
050-070	2.6	2.9	.6									6.0	5.2	5.0
(E) 080-100	1.7	1.8	1.8	.1								5.3	7.3	7.0
110-130	1.2	1.2	1.0	.1								3.6	6.9	6.0
140-160	1.7	2.8	1.2	.1								5.8	6.8	6.5
(S) 170-190	2.6	7.7	5.4	1.7	.7							18.0	9.1	8.0
200-220	3.8	8.0	5.6	2.0	.2							19.6	6.7	8.0
230-250	3.6	3.0	1.3	.1	.1							8.1	5.9	5.0
(W) 260-280	2.0	.6	.1									2.7	3.5	2.0
290-310	.9	1.0	.1									2.0	5.0	5.5
320-340	1.4	1.3	.6									3.3	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											6.2	////////	
TOTALS	27.2	39.7	21.7	4.4	1.0							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	5.1	2.2	.1								8.9	7.6	7.0
020-040	1.9	4.8	1.4									8.1	6.6	7.0
050-070	2.2	2.7	.4									5.3	5.4	5.0
(E) 080-100	2.1	3.0	1.1									6.2	5.9	5.5
110-130	.8	3.3	.6									4.7	6.8	7.0
140-160	2.2	3.7	2.0	.1								8.0	7.1	6.5
(S) 170-190	4.3	6.3	7.2	2.8	.4							21.1	9.4	9.0
200-220	2.8	4.4	6.2	2.4	.3							16.2	9.7	10.0
230-250	2.2	2.8	.7	.3								6.0	6.4	6.0
(W) 260-280	1.6	2.0	.2									3.8	5.3	5.0
290-310	1.4	1.9	.7									4.0	5.7	5.0
320-340	1.3	2.0	1.7	.2								5.2	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	24.2	42.0	24.4	5.9	.7							100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	5.2	2.4	.7								10.7	7.5	7.0
020-040	2.7	4.2	1.4	.2								8.6	6.4	6.0
050-070	2.3	2.6	.4									5.3	5.0	5.0
(E) 080-100	2.2	2.4	.2									4.9	5.0	5.0
110-130	1.8	2.7	.1									4.6	5.4	6.0
140-160	1.8	5.3	2.2	.2	.1							9.7	7.6	8.0
(S) 170-190	2.9	7.6	9.1	2.3	.2							22.1	9.4	10.0
200-220	3.0	3.8	5.1	1.2	.2	.1						13.4	9.0	9.0
230-250	1.7	1.7	.2	.1								3.7	5.2	5.0
(W) 260-280	1.6	.9	.1									2.6	4.1	4.0
290-310	2.3	1.8	.6									4.7	5.2	4.5
320-340	2.2	2.8	.9									5.9	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											4.0	////////////////////////////////	
TOTALS	26.8	41.0	22.7	4.7	.5	.1						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	3.6	.7	.4								7.4	6.1	6.0
020-040	4.6	3.3	1.2	.1								9.2	5.1	5.0
050-070	3.1	1.4	.1									4.7	4.3	4.0
(E) 080-100	2.4	2.3										4.8	4.7	4.0
110-130	4.3	2.7										7.0	4.1	4.0
140-160	4.6	9.0	3.3									16.9	6.7	6.0
(S) 170-190	3.2	8.0	3.9	.4								15.6	7.4	7.0
200-220	2.1	2.0	1.1	.3								5.6	7.0	5.5
230-250	1.0	.3										1.3	3.4	3.5
(W) 260-280	.6	.1										.7	2.7	2.0
290-310	.8											.8	2.4	2.0
320-340	1.4	1.8	.2									3.4	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											22.7	////////	
TOTALS	30.9	34.5	10.5	1.2								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.7	.7	.2								4.3	6.3	6.0
020-040	5.7	1.9	.6									8.1	3.8	3.0
050-070	3.0	1.2	.2									4.4	4.0	3.0
(E) 080-100	2.0	1.7	.2									3.9	4.7	4.0
110-130	2.4	2.7	.3									5.4	5.3	5.0
140-160	2.4	8.3	5.8	.3								16.9	8.1	8.0
(S) 170-190	2.1	7.1	5.7	1.6								16.4	8.8	8.5
200-220	2.1	1.8	1.1	.7								5.7	7.4	5.0
230-250	1.6	.2										1.8	2.7	2.0
(W) 260-280	.2											.2	1.0	1.0
290-310	.4	.1										.6	3.8	4.0
320-340	1.2	1.9										3.1	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											29.1	////////	
TOTALS	24.9	28.6	14.6	2.8								100.0	4.7	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: SEP      HOURS: ALL

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		2.3	3.0	1.2	.3							6.7	6.5	6.0
020-040		4.6	3.5	1.2	.1							9.3	5.2	5.0
050-070		2.8	2.0	.4								5.2	4.8	4.0
(E) 080-100		1.8	1.7	.5	.0							4.0	5.3	5.0
110-130		1.8	2.2	.4	.0							4.4	5.4	5.0
140-160		2.3	4.8	2.3	.2	.0						9.5	7.2	7.0
(S) 170-190		3.4	6.8	5.6	1.4	.2						17.5	8.5	8.0
200-220		3.5	4.2	3.3	1.0	.1	.0	.0				12.1	7.9	7.0
230-250		2.2	1.1	.3	.1	.0						3.6	4.7	4.0
(W) 260-280		1.0	.5	.1								1.6	4.0	4.0
290-310		1.0	.7	.2		.0						1.9	5.1	4.0
320-340		1.4	1.6	.5	.0							3.6	5.8	5.0
VARIABLE														
CALM		////////////////////										20.6	////////////////	
TOTALS		28.1	32.1	16.0	3.1	.3						100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.0	13.6	5.4									21.1	7.8	8.0
020-040	5.1	15.3	5.1	.3								25.9	6.8	7.0
050-070	3.1	8.8	4.8									16.7	7.2	7.0
(E) 080-100	2.0	3.1	3.1									8.2	7.1	6.5
110-130	.3	.3	.3									1.0	7.0	8.0
140-160	1.0	1.7										2.7	4.8	5.0
(S) 170-190	1.7	1.4	1.4	.7								5.1	7.3	6.0
200-220	2.0	.3										2.4	3.1	2.0
230-250	1.4	.3										1.7	2.8	2.0
(W) 260-280	.7	.7										1.4	4.5	4.0
290-310														
320-340	.3	1.7	.7									2.7	7.1	8.0
VARIABLE														
CALM	////////////////////////////////////											11.2	//////////	
TOTALS	19.6	47.2	20.8	1.0								100.0	6.1	7.0

TOTAL NUMBER OF OBSERVATIONS 294

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	3.1	1.0		.1							8.4	5.3	4.5
020-040	7.3	2.7	1.5	.1								11.6	4.7	3.0
050-070	2.7	1.4	.1									4.2	4.2	4.0
(E) 080-100	1.1	.3	.1									1.5	4.1	3.5
110-130	.8	.8	.1									1.6	4.8	5.0
140-160	1.4	4.0	2.2									7.5	7.3	7.0
(S) 170-190	2.2	4.6	4.8	1.3	.6							13.5	9.6	9.5
200-220	4.7	3.7	2.5	.1								11.0	6.2	6.0
230-250	1.7	1.0										2.7	3.4	2.0
(W) 260-280	.4	.6	.6									1.7	8.4	8.0
290-310	.5	.9	.2									1.6	6.0	6.0
320-340	1.4	1.1	.3									2.8	5.4	4.5
VARIABLE														
CALM	////////////////////////////////////											31.8	////////	
TOTALS	28.4	24.2	13.4	1.5	.7							100.0	4.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	3.3	.5									8.6	4.6	4.0
020-040	6.9	2.6	1.4	.2								11.1	4.8	3.0
050-070	2.6	2.0	.2									4.8	4.6	4.0
(E) 080-100	1.3	.4	.1									1.8	3.8	3.0
110-130	.3	.3										.6	5.0	5.0
140-160	.9	2.3	1.5	.2								4.8	8.2	8.0
(S) 170-190	3.0	4.0	3.0	.6	.1							10.8	7.6	8.0
200-220	5.9	4.9	2.5	.2								13.5	6.0	5.0
230-250	3.7	1.2										4.8	3.3	3.0
(W) 260-280	1.2	.8	.3	.1								2.4	5.7	4.5
290-310	.5	.6	.6									1.8	6.8	7.0
320-340	2.0	1.6	.2									3.9	4.4	4.0
VARIABLE														
CALM	////////////////////////////////////											31.0	////////	
TOTALS	33.0	24.0	10.3	1.3	.1							100.0	3.9	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	3.2	.6									7.1	5.1	5.0
020-040	6.6	4.5	1.5									12.6	5.0	4.0
050-070	4.2	1.8	.1	.2								6.3	4.3	3.0
(E) 080-100	1.6	.5										2.2	3.2	3.0
110-130	1.3	.3	.3									1.9	4.6	4.0
140-160	1.1	2.3	1.3	.5								5.2	8.1	8.0
(S) 170-190	2.7	4.3	2.9	1.2								11.1	8.0	8.0
200-220	6.6	4.8	1.7	.1								13.2	5.2	5.0
230-250	2.0	1.2	.2	.1								3.5	4.7	4.0
(W) 260-280	2.0	.6	.4	.1								3.2	5.2	4.0
290-310	.8	1.0	.6									2.4	6.2	5.5
320-340	.9	1.4	.4									2.7	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											28.6	////////	
TOTALS	33.0	25.9	10.0	2.2								100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	4.3	2.3	.1								8.8	7.1	7.0
020-040	4.1	5.7	2.3	.3								12.4	6.4	6.0
050-070	1.4	1.3	.4									3.1	5.4	5.0
(E) 080-100	1.9	1.7	.5									4.2	5.4	5.0
110-130	1.2	1.4	.3									2.9	5.3	5.0
140-160	1.0	3.9	1.4	.3	.4	.1						7.1	9.0	8.0
(S) 170-190	1.8	4.2	4.8	2.4	.4							13.7	10.1	10.0
200-220	3.0	5.7	5.3	1.2	.1							15.3	8.7	8.0
230-250	3.3	3.3	1.5	.1								8.3	6.3	6.0
(W) 260-280	2.3	1.7	.9									4.8	5.3	5.0
290-310	.8	1.4	1.5	.3	.1							4.1	8.9	8.0
320-340	1.8	2.6	1.5	.2								6.1	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											9.2	////////	
TOTALS	24.8	37.2	22.7	4.9	1.0	.1						100.0	6.9	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: OCT      HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	4.1	2.3	.4								8.9	7.5	8.0
020-040	2.6	6.1	2.2	.4								11.3	7.3	7.0
050-070	1.4	2.3	.2									3.9	5.4	5.5
(E) 080-100	1.4	1.2	.1									2.7	4.5	4.0
110-130	1.4	1.9										3.3	5.1	5.0
140-160	1.9	3.9	2.2	.3	.1		.1					8.5	8.0	7.0
(S) 170-190	1.4	4.1	5.8	2.2	.8	.2	.3					14.7	11.5	11.0
200-220	2.3	4.3	7.7	1.9	.4							16.7	10.2	10.0
230-250	4.0	2.6	1.7	.5								8.8	6.6	6.0
(W) 260-280	1.5	2.2	1.1									4.7	6.8	7.0
290-310	1.3	3.5	1.8									6.7	7.0	7.0
320-340	1.7	3.1	2.0	.3	.2							7.4	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	23.1	39.3	27.1	6.0	1.5	.2	.4					100.0	8.0	8.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	5.3	1.9	.1								9.7	6.9	6.0
020-040	3.1	5.8	1.2	.1	.1							10.3	6.3	6.0
050-070	2.0	1.6	.2									3.9	5.0	4.0
(E) 080-100	1.1	1.5	.2									2.8	5.4	5.0
110-130	1.7	1.4	.1									3.2	4.7	4.0
140-160	1.6	4.6	1.3	.2	.1							7.8	7.5	7.0
(S) 170-190	2.5	4.5	7.5	2.0	.5	.3						17.4	10.4	10.0
200-220	2.4	5.6	5.8	1.2	.2							15.2	9.0	9.0
230-250	2.9	2.5	.4	.2	.1							6.1	5.6	5.0
(W) 260-280	1.7	1.0	.6	.2	.1							3.7	6.5	5.5
290-310	2.7	2.5	.9	.1	.1							6.2	6.3	6.0
320-340	2.4	4.0	2.0	.4								8.8	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											4.8	////////////////////////////////	
TOTALS	26.5	40.3	22.1	4.5	1.2	.3						100.0	7.2	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	3.7	1.2	.1								10.5	5.0	4.0
020-040	5.7	2.6	1.2									9.5	4.6	4.0
050-070	2.5	1.0	.1									3.5	4.1	3.0
(E) 080-100	2.2	1.1										3.2	3.6	3.0
110-130	1.1	2.2	.2									3.4	5.4	5.0
140-160	2.7	5.5	2.4	.4								11.0	7.2	7.0
(S) 170-190	2.5	7.6	4.8	.8	.3							16.0	8.5	8.0
200-220	5.4	2.0	1.1									8.5	4.5	4.0
230-250	1.8		.2									2.0	3.3	2.0
(W) 260-280	.5	.2	.2	.2	.2							1.4	9.2	5.0
290-310	1.2	.6		.2								2.0	5.3	4.0
320-340	1.9	1.1	.8									3.8	5.4	4.0
VARIABLE														
CALM	////////////////////////////////////											25.1	////////////////////////////////	
TOTALS	33.1	27.6	12.2	1.7	.5							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.9	1.3									7.8	6.0	6.0
020-040	7.0	2.8	1.3	.1								11.2	4.6	3.0
050-070	2.3	1.6	.1									4.0	4.3	4.0
(E) 080-100	1.1	.9										1.9	3.7	4.0
110-130	1.3	1.8	.2									3.3	5.3	6.0
140-160	1.4	4.3	4.0	.4								10.1	8.6	9.0
(S) 170-190	1.0	3.8	6.1	2.3	.5	.2						13.9	11.1	10.0
200-220	2.7	3.3	1.0									7.0	5.7	6.0
230-250	1.8	.3	.2	.2								2.6	4.8	2.5
(W) 260-280	.6	.3	.1	.1								1.2	5.5	4.0
290-310	.1	.5	.4									1.1	7.5	6.5
320-340	1.5	1.2	.6	.2								3.5	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											32.4	////////////////////////////////	
TOTALS	23.5	24.7	15.3	3.3	.5	.2						100.0	4.7	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	3.9	1.4	.1	.0							8.7	6.0	6.0
020-040	5.4	4.1	1.6	.2	.0							11.2	5.5	5.0
050-070	2.4	1.6	.2	.0								4.2	4.6	4.0
(E) 080-100	1.5	1.0	.1									2.5	4.3	4.0
110-130	1.1	1.3	.2									2.6	5.1	5.0
140-160	1.5	3.8	2.0	.3	.1	.0	.0					7.8	8.0	8.0
(S) 170-190	2.1	4.6	5.0	1.6	.4	.1	.0					13.9	9.7	10.0
200-220	4.1	4.3	3.4	.6	.1							12.5	7.3	7.0
230-250	2.7	1.5	.5	.1	.0							4.9	5.3	4.0
(W) 260-280	1.3	.9	.5	.1	.0							2.9	6.3	5.0
290-310	1.0	1.4	.8	.1	.0							3.2	6.9	6.0
320-340	1.7	2.0	1.0	.1	.0							4.9	6.6	6.0
VARIABLE														
CALM	////////////////////											20.7	////////	
TOTALS	28.2	30.4	16.7	3.2	.6	.1						100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	11.0	2.6									19.5	6.0	6.0
020-040	6.3	8.9	3.3	.3								18.8	6.3	6.0
050-070	2.2	1.9	.3									4.5	4.7	4.5
(E) 080-100	3.8	1.8										5.6	3.6	3.0
110-130	2.6	3.1	.3									6.0	5.0	5.0
140-160	1.5	4.2	1.7	.7			.1					8.2	8.3	7.0
(S) 170-190	1.3	2.1	1.0	.1								4.5	6.9	7.0
200-220	1.4	1.7	1.4									4.5	6.9	7.0
230-250	1.7	1.4										3.1	4.2	4.0
(W) 260-280	1.9	.1		.1								2.2	3.9	3.0
290-310	1.4	1.0	.4									2.8	5.0	4.5
320-340	2.5	3.2	.7									6.4	5.4	5.5
VARIABLE														
CALM	////////////////////////////////////											14.1	////////////////////////////////	
TOTALS	32.4	40.4	11.7	1.2			.1					100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 718

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.6	1.6	.1	.2							8.8	6.6	6.0
020-040	5.3	3.1	1.7	.2								10.3	5.6	4.0
050-070	2.1	2.4	.2									4.8	5.1	5.0
(E) 080-100	.7	.4	.1									1.2	5.1	4.0
110-130	.9	.9	.2									2.0	4.9	5.0
140-160	1.3	1.7	1.6	.4	.1							5.1	8.2	7.5
(S) 170-190	2.2	4.2	3.4	1.2	.2							11.3	8.9	8.0
200-220	5.0	2.9	2.3	.8	.1							11.1	6.8	5.0
230-250	5.0	1.2	.1									6.3	3.4	3.0
(W) 260-280	1.9	.3										2.2	3.3	3.5
290-310	.2	1.4	.8									2.4	8.5	8.5
320-340	.8	2.3	1.1	.3								4.6	7.9	8.0
VARIABLE														
CALM	////////////////////////////////////											29.8	////////	
TOTALS	28.7	24.4	13.1	3.0	.6							100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.1	2.4	.1								9.0	6.9	7.0
020-040	4.2	3.4	1.6	.3								9.6	5.8	5.0
050-070	2.0	2.3	.7									5.0	5.6	6.0
(E) 080-100	1.1	.7	.1									1.9	4.3	3.0
110-130	.2	.6	.4									1.2	7.5	8.0
140-160	.9	1.9	1.9	.2								4.9	8.6	8.0
(S) 170-190	3.0	2.3	3.1	1.6	.1							10.1	8.6	9.0
200-220	7.2	3.6	2.3	.3	.1							13.6	5.8	4.0
230-250	4.0	1.8	.1									5.9	4.0	3.0
(W) 260-280	.8	.4										1.2	3.6	2.0
290-310	.9	1.4	.3									2.7	6.1	6.0
320-340	.9	2.6	2.3	.2								6.0	8.4	9.0
VARIABLE														
CALM	////////////////////											29.0	////////	
TOTALS	28.5	24.1	15.2	2.7	.2							100.0	4.7	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: NOV      HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.8	2.2	.2								7.8	6.9	6.0
020-040	5.6	4.3	1.0	.3								11.2	5.5	5.0
050-070	1.9	1.6	.4									3.9	5.5	5.0
(E) 080-100	.6	.3	.2									1.1	5.5	5.0
110-130	.8	.8	.7									2.2	6.4	7.0
140-160	.7	1.2	2.0	.2								4.1	8.9	10.0
(S) 170-190	2.1	2.9	2.8	1.2	.6							9.6	9.2	9.0
200-220	8.6	2.9	2.1	.2	.2							14.0	5.2	4.0
230-250	4.7	1.8	.2									6.7	3.6	3.0
(W) 260-280	2.1	1.0	.1									3.2	4.2	4.0
290-310	2.1	.9	.3									3.3	4.9	4.0
320-340	1.3	2.8	2.3	.8								7.2	8.8	9.0
VARIABLE														
CALM	////////////////////////////////////											25.7	////////	
TOTALS	33.1	23.3	14.3	2.9	.8							100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	3.7	3.8	.6								9.3	8.5	9.0
020-040	3.3	3.6	1.6	.2								8.7	6.2	6.0
050-070	2.1	1.3	.6									4.0	4.8	4.0
(E) 080-100	1.0	.8	.4	.3								2.6	6.7	5.0
110-130	1.0	1.3	.6									2.9	6.3	6.0
140-160	.9	1.6	1.1	.3								3.9	8.1	7.0
(S) 170-190	1.9	3.6	3.9	2.6	.7							12.6	10.8	10.0
200-220	3.2	3.3	5.0	1.6	.3							13.4	9.2	10.0
230-250	6.3	4.3	1.6	.1								12.3	5.3	4.0
(W) 260-280	2.0	1.7	.9									4.6	5.6	5.0
290-310	1.2	2.0	3.1	.2								6.6	8.7	10.0
320-340	1.3	3.9	3.2	.8								9.2	8.8	8.0
VARIABLE														
CALM	////////////////////											10.0	////////	
TOTALS	25.5	31.1	25.8	6.7	1.0							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	5.8	3.9	.8								11.9	8.4	8.0
020-040	1.8	2.8	2.1	.2								6.9	7.4	8.0
050-070	.8	1.6	.6									2.9	6.6	7.0
(E) 080-100	1.0	.2	.1	.2								1.6	5.6	4.0
110-130	.6	1.0	.3	.3								2.2	7.8	6.5
140-160	1.4	2.4	2.4	.4								6.8	8.3	8.0
(S) 170-190	1.7	3.2	5.1	1.9	1.3							13.2	11.0	11.0
200-220	1.6	4.7	5.8	2.7	1.1							15.8	10.9	10.0
230-250	3.6	6.8	1.7	.2								12.2	6.4	6.0
(W) 260-280	2.3	2.2	.9	.1								5.6	6.2	5.0
290-310	.4	3.6	2.8	.7								7.4	9.3	9.0
320-340	1.7	2.4	4.3	1.8	.2							10.4	10.2	10.0
VARIABLE														
CALM	////////////////////////////////////											3.1	////////	
TOTALS	18.3	36.7	30.0	9.3	2.6							100.0	8.6	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	6.4	2.8	.4								10.9	8.1	8.0
020-040	2.0	4.7	2.8	.4								9.9	7.7	7.0
050-070	1.3	2.7	.3	.1								4.4	6.0	5.5
(E) 080-100	.8	.4	.1									1.3	4.3	4.0
110-130	.9	2.0	.6									3.4	6.5	6.0
140-160	1.2	2.2	1.6	.1								5.1	7.2	7.5
(S) 170-190	2.3	6.6	5.2	2.0	.6							16.7	9.5	9.0
200-220	3.1	5.7	3.7	1.6	.3							14.3	8.5	8.0
230-250	2.3	2.6	.9	.2								6.0	6.0	5.0
(W) 260-280	2.7	1.9	1.1	.1								5.8	6.1	5.0
290-310	1.6	2.2	2.4									6.2	7.7	7.5
320-340	2.0	4.1	3.7	1.0	.3							11.1	8.9	9.0
VARIABLE														
CALM	////////////////////////////////////											4.8	////////////////////////////////	
TOTALS	21.4	41.5	25.2	5.9	1.2							100.0	7.6	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	4.7	1.7	.2								9.8	6.4	6.0
020-040	2.9	4.7	1.3									8.9	6.3	6.0
050-070	2.3	1.7	.2	.2								4.4	5.3	4.0
(E) 080-100	2.4	.8	.1									3.3	4.2	4.0
110-130	1.4	.7	.4									2.6	5.1	4.0
140-160	1.8	4.1	1.9	.1	.2							8.1	7.5	7.0
(S) 170-190	2.9	5.3	4.2	.7	.4							13.6	8.4	8.0
200-220	5.9	3.7	1.0									10.6	4.8	4.0
230-250	3.1	.7		.1								3.9	3.7	3.0
(W) 260-280	2.4	.7	.1	.3								3.6	4.9	3.5
290-310	1.2	1.6	.9									3.7	6.2	6.0
320-340	1.7	2.4	1.7	.6								6.3	7.9	7.0
VARIABLE														
CALM	////////////////////////////////////											21.3	////////	
TOTALS	31.2	31.1	13.5	2.2	.6							100.0	5.0	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.9	1.2	.2								8.0	6.1	6.0
020-040	4.9	4.1	1.8	.4								11.2	6.1	5.0
050-070	2.8	1.0	.4	.1								4.3	4.9	3.0
(E) 080-100	1.1	.9										2.0	4.0	3.0
110-130	.6	1.1	.3									2.0	6.6	6.0
140-160	1.4	3.0	1.7	.7								6.8	8.2	8.0
(S) 170-190	2.2	3.9	3.8	1.3	.6							11.8	9.5	9.0
200-220	5.0	3.3	1.7	.2								10.2	5.7	5.0
230-250	3.6	1.3	.3									5.2	4.0	4.0
(W) 260-280	2.0	.8		.2	.1							3.1	5.6	4.0
290-310	.7	2.3	.1									3.1	6.1	6.0
320-340	.7	1.4	2.0	.6	.2							4.9	10.0	10.0
VARIABLE														
CALM	////////////////////////////////////											27.3	////////	
TOTALS	28.7	26.0	13.3	3.7	.9							100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.5	4.1	2.4	.3	.0							9.4	7.3	7.0
020-040	3.8	3.8	1.7	.3								9.6	6.3	6.0
050-070	1.9	1.8	.4	.1								4.2	5.4	5.0
(E) 080-100	1.1	.6	.2	.1								1.9	4.9	4.0
110-130	.8	1.0	.4	.0								2.3	6.3	6.0
140-160	1.2	2.3	1.8	.3	.0							5.6	8.1	8.0
(S) 170-190	2.3	4.0	3.9	1.6	.6							12.3	9.5	9.0
200-220	4.9	3.8	3.0	.9	.3							12.9	7.3	6.0
230-250	4.1	2.6	.6	.1								7.3	4.9	4.0
(W) 260-280	2.0	1.1	.4	.1	.0							3.7	5.3	4.0
290-310	1.0	1.9	1.3	.1								4.4	7.6	7.0
320-340	1.3	2.8	2.6	.8	.1							7.5	9.0	9.0
VARIABLE														
CALM	////////////////////////////////////											18.9	//////////	
TOTALS	26.9	29.8	18.7	4.7	1.0							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	10.5	3.2	.5								17.2	7.2	7.0
020-040	3.6	11.1	7.5	1.8								24.0	8.5	8.0
050-070	2.9	5.7	1.6	.2								10.5	6.7	6.0
(E) 080-100	1.4	.8	.2	.1								2.5	5.0	4.0
110-130	1.0	.9	.3									2.3	5.4	5.5
140-160	.8	1.3	.8	.2								3.1	7.0	6.0
(S) 170-190	1.5	2.5	1.6	1.0								6.7	8.3	8.0
200-220	2.5	1.1	.2									3.9	4.3	4.0
230-250	1.7	1.1	.2									3.1	4.4	3.0
(W) 260-280	1.0	.7	.3	.1	.1							2.3	6.8	5.5
290-310	.9	2.8	1.1									4.8	7.4	8.0
320-340	1.6	4.8	4.1	1.0	.2							11.8	9.2	9.0
VARIABLE														
CALM	////////////////////////////////////											7.7	////////////////////////////////	
TOTALS	22.0	43.3	21.1	4.9	.3							100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 870

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	3.2	3.9									10.9	6.8	7.0
020-040	6.1	3.1	1.1									10.3	4.9	4.0
050-070	2.0	.9	.3									3.3	4.4	4.0
(E) 080-100	.3	.7										1.0	5.7	6.0
110-130	.9	.2										1.1	3.5	2.5
140-160	.1	.5	.5	.2								1.2	10.5	12.0
(S) 170-190	1.8	2.0	1.5	.6								5.9	7.8	6.0
200-220	6.6	4.4	1.7	.8								13.5	5.9	5.0
230-250	7.2	3.2	.2	.1	.1							10.8	4.3	4.0
(W) 260-280	1.7	1.3	.1	.1								3.2	4.7	4.0
290-310	1.4	1.4	.6									3.3	5.8	5.0
320-340	2.4	3.4	1.3	.5								7.5	7.0	6.0
VARIABLE														
CALM	////////////////////////////////////											27.8	////////	
TOTALS	34.4	24.3	11.2	2.3	.1							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 880



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	4.3	2.6	.1								10.6	6.7	7.0
020-040	5.0	3.4	2.0									10.5	5.7	5.0
050-070	1.3	1.7	.1									3.1	5.3	5.0
(E) 080-100	.6	.5	.5									1.5	6.5	6.0
110-130	.2	.7										.9	5.8	6.0
140-160	.6	.5	.3	.1	.1							1.6	7.7	7.0
(S) 170-190	1.9	1.5	1.1	.1	.5							5.1	7.6	6.0
200-220	8.1	4.9	2.0	.7								15.7	5.7	4.0
230-250	4.4	2.3	.6									7.3	4.6	4.0
(W) 260-280	2.5	1.5	.1									4.1	4.0	3.0
290-310	1.5	2.3	.7	.1								4.6	6.2	6.0
320-340	1.4	3.2	1.5	.1								6.1	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											29.0	////////	
TOTALS	31.0	26.8	11.5	1.2	.6							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.8	2.9	.2								10.2	6.8	6.5
020-040	4.1	3.6	1.9	.1								9.7	6.0	6.0
050-070	2.0	1.9	.7									4.6	5.6	5.0
(E) 080-100	1.2	.7	.2									2.1	5.0	4.0
110-130	.8	.9	.3									2.0	5.8	5.0
140-160	.4	.9	.3	.2								1.9	7.9	7.0
(S) 170-190	3.2	1.1	1.1	.3	.1							5.9	6.0	4.0
200-220	7.3	5.2	1.8	.7	.1							15.1	5.9	5.0
230-250	5.7	3.1	.2	.2								9.2	4.6	4.0
(W) 260-280	1.7	.8										2.4	3.8	4.0
290-310	1.1	2.6	1.0									4.7	6.6	6.0
320-340	1.6	3.7	1.6	.2								7.0	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											25.1	////////	
TOTALS	32.4	28.3	12.0	1.9	.2							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	5.4	2.8	.3								10.1	7.4	8.0
020-040	2.9	3.1	3.5		.1							9.6	7.4	8.0
050-070	1.7	1.5	.8									4.0	6.2	6.0
(E) 080-100	1.0	1.3	.2									2.5	5.4	5.0
110-130	1.4	.4	.1	.1								2.1	4.6	3.0
140-160	1.5	1.4	.8	.3								4.1	7.2	6.0
(S) 170-190	1.8	2.8	1.0	.4	.3							6.3	7.7	7.0
200-220	5.2	4.6	4.2	.8	.4							15.2	7.7	8.0
230-250	5.6	5.9	.7	.2								12.4	5.2	5.0
(W) 260-280	2.5	3.2	1.0	.1								6.8	6.0	5.5
290-310	1.4	2.3	1.0	.2								5.0	6.8	7.0
320-340	1.4	3.5	4.0	.6	.1							9.6	9.0	9.0
VARIABLE														
CALM	////////////////////////////////////											12.4	////////////////////////////////	
TOTALS	28.1	35.4	20.1	3.0	.9							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	4.2	5.0	.1								10.5	8.7	9.0
020-040	1.3	3.6	3.3	.4								8.7	8.6	9.0
050-070	1.3	2.0	.3	.1								3.7	5.9	6.0
(E) 080-100	1.2	.9	.1									2.2	4.9	4.0
110-130	1.3	1.1	.1									2.5	4.5	4.0
140-160	.8	2.0	1.2	.2								4.2	7.9	8.0
(S) 170-190	.9	3.6	2.5	.7	.2							7.9	9.1	8.0
200-220	1.3	4.9	5.4	1.8	.7	.2						14.2	10.5	10.0
230-250	4.6	6.9	2.2	.7								14.4	6.7	6.0
(W) 260-280	2.5	2.9	.7	.4								6.5	6.4	5.0
290-310	1.9	4.4	2.1	.7	.1							9.2	8.2	8.0
320-340	1.2	4.1	5.2	.8	.1							11.4	9.4	10.0
VARIABLE														
CALM	////////////////////////////////////											4.5	////////////////////////////////	
TOTALS	19.5	40.6	28.1	5.9	1.1	.2						100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 907

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	6.6	3.7	.1								13.0	7.5	7.0
020-040	2.3	4.7	3.2	.2								10.5	7.7	8.0
050-070	1.7	1.9	.3									3.9	5.2	5.0
(E) 080-100	1.3	.8										2.1	4.1	4.0
110-130	.6	.4	.3									1.3	6.3	5.5
140-160	.7	2.6	.6									3.8	6.7	6.0
(S) 170-190	2.3	3.8	2.5	.3		.1						9.0	7.9	8.0
200-220	4.3	6.2	4.1	1.2	.3							16.3	8.1	7.0
230-250	4.7	4.8	.9	.1	.1							10.6	5.3	5.0
(W) 260-280	2.2	2.0	.4	.3								5.0	6.0	5.0
290-310	2.5	4.0	1.9	.1								8.5	6.8	6.0
320-340	2.1	4.1	3.7	.2	.1							10.3	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											5.7	////////	
TOTALS	27.4	41.9	21.6	2.5	.5	.1						100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: DEC      HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	4.4	1.8	.1	.1							10.9	6.0	6.0
020-040	3.6	3.3	2.0	.1								9.1	6.2	6.0
050-070	2.3	1.6	.2									4.1	4.4	4.0
(E) 080-100	2.3	.6										2.8	3.4	3.0
110-130	.8	.8	.2									1.8	5.6	5.0
140-160	.7	1.5	1.0									3.2	7.4	8.0
(S) 170-190	2.7	2.4	1.5	.2	.1							6.9	6.6	6.0
200-220	8.0	5.0	2.0	.6	.2							15.8	6.0	4.0
230-250	4.8	2.0	.6	.1								7.5	4.6	4.0
(W) 260-280	2.4	1.1										3.5	3.8	4.0
290-310	1.8	.8	.5	.2								3.3	5.6	4.0
320-340	3.2	3.0	.8									6.9	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											24.0	////////////////////////////////	
TOTALS	37.0	26.5	10.6	1.3	.4							100.0	4.3	5.0
TOTAL NUMBER OF OBSERVATIONS 879														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	4.2	2.5	.1								10.8	6.4	6.0
020-040	4.1	2.5	2.2									8.8	5.9	5.0
050-070	1.7	1.3										3.0	4.2	4.0
(E) 080-100	1.7	.7										2.4	3.4	3.0
110-130	1.1	.3	.1									1.6	4.3	3.5
140-160	1.1	1.0	1.3	.1								3.5	7.3	7.0
(S) 170-190	2.6	2.0	1.7	.3	.1							6.8	6.8	6.0
200-220	6.0	4.3	2.4	.1	.1							13.0	5.8	5.0
230-250	6.4	3.0	.6									9.9	4.2	4.0
(W) 260-280	2.2	.8	.2									3.2	4.1	3.0
290-310	1.6	1.8	.3	.1								3.9	5.6	6.0
320-340	1.8	3.3	1.0									6.1	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											27.1	////////	
TOTALS	34.3	25.2	12.3	.7	.2							100.0	4.1	5.0
TOTAL NUMBER OF OBSERVATIONS 879														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	4.5	3.1	.1	.0							10.9	7.1	7.0
020-040	3.7	3.4	2.4	.1	.0							9.6	6.5	6.0
050-070	1.7	1.6	.4	.0								3.7	5.2	5.0
(E) 080-100	1.2	.8	.1									2.1	4.6	4.0
110-130	.9	.6	.2	.0								1.7	5.0	4.0
140-160	.7	1.3	.7	.2	.0							2.9	7.6	7.0
(S) 170-190	2.2	2.4	1.6	.4	.2	.0						6.7	7.5	7.0
200-220	5.8	5.0	3.0	.8	.2	.0						14.9	7.0	6.0
230-250	5.4	3.9	.7	.2	.0							10.3	5.1	4.0
(W) 260-280	2.2	1.7	.3	.1								4.4	5.2	4.0
290-310	1.6	2.5	1.0	.2	.0							5.3	6.7	6.0
320-340	1.9	3.5	2.4	.3	.0							8.1	7.7	7.5
VARIABLE														
CALM	////////////////////											19.4	////////	
TOTALS	30.4	31.2	15.9	2.4	.4							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 7129



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.8	10.0	8.0	.5	.1							25.3	7.4	8.0
020-040	4.3	5.6	6.5	.3								16.7	7.8	8.0
050-070	3.0	2.8	1.2	.1								7.2	6.1	5.0
(E) 080-100	.6	1.0	.5									2.1	6.5	6.0
110-130	.7	.4										1.1	4.0	4.0
140-160	1.1	.8	.4									2.3	5.5	5.0
(S) 170-190	1.8	3.0	1.3	.2								6.3	6.9	6.0
200-220	3.0	3.9	1.8	.5								9.2	7.0	6.0
230-250	2.0	1.0	.2									3.1	4.6	4.0
(W) 260-280	1.6	.4	.1	.1								2.2	4.5	4.0
290-310	2.0	1.8	1.0	.3								5.0	6.7	6.0
320-340	2.4	2.9	2.7	.3								8.3	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											11.3	////////	
TOTALS	29.3	33.6	23.7	2.3	.1							100.0	6.2	7.0

TOTAL NUMBER OF OBSERVATIONS 1018

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	3.4	1.9	.2	.0	.0	.0					8.2	6.9	6.0
020-040	4.3	3.5	1.6	.3	.0	.0						9.7	5.9	5.0
050-070	2.7	2.3	.7	.1	.0		.0					5.8	5.5	5.0
(E) 080-100	1.8	1.5	.4	.0	.0	.0	.0					3.8	5.4	5.0
110-130	1.6	1.8	.6	.1	.0							4.0	5.8	5.0
140-160	2.0	3.6	1.7	.3	.0	.0	.0					7.6	7.3	7.0
(S) 170-190	2.6	4.7	4.1	1.1	.3	.0	.0					13.0	8.8	8.0
200-220	4.3	4.2	2.9	.8	.2	.0	.0					12.3	7.4	6.0
230-250	3.2	2.1	.6	.1	.0	.0	.0					6.0	5.2	4.0
(W) 260-280	1.6	1.1	.4	.1	.0	.0						3.2	5.6	4.0
290-310	1.2	1.4	.8	.1	.0	.0	.0					3.5	6.8	6.0
320-340	1.5	2.3	1.3	.2	.0	.0			.0			5.3	7.3	7.0
VARIABLE														
CALM	////////////////////											17.6	////////	
TOTALS	29.4	31.9	17.0	3.4	.5							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS: 87337

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	8.1	4.5	.5	.1	.0						18.1	7.2	7.0
020-040	6.1	8.9	5.4	.9	.1							21.3	7.2	7.0
050-070	3.8	5.8	2.5	.2	.0		.0					12.4	6.7	6.0
(E) 080-100	1.9	2.7	1.2	.2	.1	.0	.0					6.1	7.1	6.0
110-130	1.3	1.7	.5	.0								3.5	6.0	6.0
140-160	1.1	1.7	.6	.2	.0		.0					3.6	6.9	6.0
(S) 170-190	1.3	2.0	1.1	.4	.1							4.9	7.7	7.0
200-220	1.8	1.8	.9	.1								4.6	6.4	6.0
230-250	1.3	1.0	.2			.0						2.5	5.0	4.0
(W) 260-280	1.2	.8	.2	.1	.0	.0						2.4	5.7	4.0
290-310	1.3	1.2	.6	.1	.0	.0						3.3	6.5	6.0
320-340	2.0	3.1	1.7	.3	.1							7.2	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											10.1	////////	
TOTALS	28.0	38.8	19.4	3.0	.5							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS: 7201



PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	DDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.3	68.1	68.6	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.8	69.8
GE 20000	72.2	72.9	73.4	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.6	74.6
GE 18000	72.4	73.1	73.7	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.8	74.8
GE 16000	72.4	73.1	73.7	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.8	74.8
GE 14000	73.0	73.8	74.4	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5	75.6	75.6
GE 12000	73.1	73.9	74.5	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.7	75.7
GE 10000	74.4	75.2	75.8	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9	76.9	77.0	77.0
GE 9000	75.1	75.8	76.5	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.6	77.6
GE 8000	78.0	78.8	79.8	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.0	81.0	81.1	81.1
GE 7000	78.9	79.8	80.8	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	82.0	82.0
GE 6000	79.6	80.4	81.4	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.7	82.7
GE 5000	79.7	80.5	81.5	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.7	82.7	82.8	82.8
GE 4500	80.2	81.1	82.0	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.3	83.3
GE 4000	81.1	81.9	82.9	83.5	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.2	84.2	84.3	84.3
GE 3500	81.4	82.3	83.2	83.9	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.5	84.5	84.6	84.6
GE 3000	82.5	83.3	84.3	84.9	85.4	85.4	85.4	85.4	85.6	85.7	85.7	85.7	85.9	85.9	86.0	86.0
GE 2500	82.9	83.8	84.7	85.5	85.9	85.9	86.0	86.0	86.2	86.3	86.3	86.3	86.6	86.6	86.7	86.7
GE 2000	84.4	85.4	86.5	87.4	87.8	87.8	88.0	88.0	88.2	88.3	88.3	88.3	88.5	88.5	88.6	88.6
GE 1800	84.7	85.7	87.1	88.1	88.5	88.5	88.6	88.6	88.8	88.9	88.9	88.9	89.1	89.1	89.2	89.2
GE 1500	86.7	87.6	89.2	90.2	90.9	90.9	91.0	91.0	91.2	91.3	91.3	91.3	91.5	91.5	91.6	91.6
GE 1200	87.4	88.6	90.3	91.5	92.3	92.3	92.4	92.4	92.6	92.7	92.7	92.8	93.0	93.0	93.1	93.1
GE 1000	87.7	89.2	91.0	92.3	93.0	93.0	93.1	93.1	93.3	93.4	93.4	93.5	93.8	93.8	93.9	93.9
GE 900	88.2	89.7	91.4	92.7	93.7	93.9	94.0	94.0	94.2	94.3	94.3	94.4	94.6	94.6	94.7	94.7
GE 800	88.7	90.2	92.2	93.4	94.5	94.7	94.8	95.1	95.3	95.4	95.4	95.5	95.7	95.7	95.8	95.8
GE 700	88.8	90.3	92.4	93.7	94.7	95.1	95.2	95.5	95.7	95.8	95.9	96.0	96.2	96.2	96.3	96.3
GE 600	88.8	90.3	92.4	93.8	94.9	95.4	95.6	95.9	96.1	96.2	96.3	96.5	96.7	96.7	96.8	96.8
GE 500	88.8	90.3	92.4	93.9	95.2	95.6	96.0	96.3	96.6	97.1	97.2	97.3	98.1	98.1	98.2	98.2
GE 400	88.8	90.3	92.6	94.1	95.4	95.9	96.5	97.0	97.2	97.8	98.1	98.3	99.1	99.1	99.2	99.2
GE 300	88.8	90.3	92.6	94.1	95.6	96.1	96.7	97.2	97.4	98.1	98.3	98.5	99.4	99.4	99.6	99.7
GE 200	88.8	90.3	92.6	94.1	95.6	96.1	96.7	97.2	97.4	98.3	98.5	98.7	99.6	99.6	99.8	100.0
GE 100	88.8	90.3	92.6	94.1	95.6	96.1	96.7	97.2	97.4	98.3	98.5	98.7	99.6	99.6	99.8	100.0
GE 000	88.8	90.3	92.6	94.1	95.6	96.1	96.7	97.2	97.4	98.3	98.5	98.7	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.2	67.6	68.0	68.3	68.4	68.4	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
GE 20000	71.0	72.4	72.7	73.0	73.1	73.1	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5
GE 18000	71.2	72.6	72.9	73.2	73.3	73.3	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
GE 16000	71.2	72.6	72.9	73.2	73.3	73.3	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8
GE 14000	71.3	72.7	73.0	73.3	73.4	73.4	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
GE 12000	71.8	73.2	73.5	73.9	74.0	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
GE 10000	73.4	74.8	75.2	75.5	75.6	75.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
GE 9000	74.1	75.5	75.8	76.1	76.2	76.2	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
GE 8000	76.3	77.8	78.4	78.7	78.9	78.9	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4
GE 7000	77.3	78.8	79.4	79.7	79.9	79.9	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
GE 6000	77.5	79.0	79.7	80.0	80.2	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6
GE 5000	78.5	80.0	80.6	81.0	81.2	81.2	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6
GE 4500	78.9	80.4	81.1	81.4	81.6	81.6	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
GE 4000	81.2	82.7	83.5	83.9	84.1	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5
GE 3500	81.6	83.1	84.0	84.3	84.5	84.5	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9
GE 3000	83.1	84.7	85.6	85.9	86.3	86.3	86.3	86.7	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.1
GE 2500	83.2	84.8	85.7	86.1	86.9	86.9	86.9	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.7
GE 2000	84.1	85.9	87.0	87.6	88.4	88.4	88.4	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4
GE 1800	84.2	86.0	87.2	88.0	88.8	88.8	88.8	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.8
GE 1500	85.3	87.1	88.5	89.2	90.2	90.2	90.2	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.2
GE 1200	86.5	88.3	89.7	90.5	91.7	91.7	91.7	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.7
GE 1000	86.9	88.9	90.8	91.6	92.8	92.8	92.9	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.9
GE 900	87.1	89.4	91.6	92.5	93.9	93.9	94.0	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.9
GE 800	87.2	89.6	91.9	92.8	94.4	94.4	94.5	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.5
GE 700	87.2	89.9	92.3	93.1	94.9	95.1	95.3	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.3
GE 600	87.2	90.0	92.4	93.2	95.1	95.2	95.4	96.0	96.5	96.7	96.9	96.9	96.9	96.9	96.9	97.0
GE 500	87.2	90.0	92.4	93.2	95.2	95.3	95.5	96.6	97.0	97.6	98.0	98.0	98.0	98.0	98.0	98.1
GE 400	87.2	90.0	92.4	93.3	95.4	95.6	96.0	97.1	97.5	98.2	98.7	98.7	98.9	98.9	98.9	99.0
GE 300	87.2	90.0	92.5	93.4	95.5	95.7	96.1	97.2	97.8	98.6	99.1	99.1	99.4	99.4	99.4	99.7
GE 200	87.2	90.0	92.5	93.4	95.5	95.7	96.1	97.2	97.8	98.8	99.5	99.5	99.7	99.7	99.7	100.0
GE 100	87.2	90.0	92.5	93.4	95.5	95.7	96.1	97.2	97.8	98.8	99.5	99.5	99.7	99.7	99.7	100.0
GE 000	87.2	90.0	92.5	93.4	95.5	95.7	96.1	97.2	97.8	98.8	99.5	99.5	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.5	64.4	64.8	65.4	65.9	65.9	66.1	66.1	66.2	66.3	66.5	66.5	66.5	66.6	66.6	66.6
GE 20000	67.3	68.3	68.8	69.4	69.9	69.9	70.1	70.1	70.2	70.3	70.4	70.4	70.4	70.5	70.5	70.5
GE 18000	67.3	68.3	68.8	69.4	69.9	69.9	70.1	70.1	70.2	70.3	70.4	70.4	70.4	70.5	70.5	70.5
GE 16000	67.4	68.4	68.9	69.5	70.0	70.0	70.2	70.2	70.3	70.4	70.5	70.5	70.5	70.6	70.6	70.6
GE 14000	67.5	68.5	69.0	69.6	70.1	70.1	70.3	70.3	70.4	70.5	70.6	70.6	70.6	70.8	70.8	70.8
GE 12000	68.4	69.4	69.9	70.4	71.0	71.0	71.2	71.2	71.3	71.4	71.5	71.5	71.5	71.6	71.6	71.6
GE 10000	71.1	72.0	72.6	73.1	73.7	73.7	73.9	73.9	74.0	74.1	74.2	74.2	74.2	74.3	74.3	74.3
GE 9000	71.7	72.7	73.2	73.8	74.3	74.3	74.5	74.5	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9
GE 8000	73.5	74.6	75.2	75.7	76.2	76.2	76.7	76.7	76.9	77.0	77.1	77.1	77.1	77.2	77.2	77.2
GE 7000	75.3	76.3	77.0	77.6	78.2	78.2	78.6	78.6	78.8	78.9	79.0	79.0	79.0	79.1	79.1	79.1
GE 6000	75.6	76.7	77.3	78.0	78.5	78.5	78.9	78.9	79.1	79.2	79.4	79.4	79.4	79.5	79.5	79.5
GE 5000	76.6	77.7	78.4	79.0	79.6	79.6	80.0	80.0	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.5
GE 4500	76.9	78.1	78.7	79.4	79.9	79.9	80.3	80.3	80.5	80.6	80.8	80.8	80.8	80.9	80.9	80.9
GE 4000	78.1	79.2	79.9	80.5	81.1	81.1	81.5	81.5	81.7	81.8	81.9	81.9	81.9	82.0	82.0	82.0
GE 3500	79.1	80.3	81.0	81.6	82.2	82.2	82.6	82.6	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.1
GE 3000	80.5	81.7	82.5	83.1	83.8	83.8	84.2	84.2	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.7
GE 2500	81.1	82.4	83.3	84.0	84.7	84.7	85.2	85.2	85.4	85.5	85.6	85.6	85.6	85.7	85.7	85.7
GE 2000	82.2	83.5	84.6	85.5	86.2	86.2	86.8	86.9	87.1	87.2	87.3	87.3	87.3	87.4	87.4	87.4
GE 1800	82.7	84.2	85.4	86.2	87.1	87.1	87.6	87.7	88.0	88.1	88.2	88.2	88.2	88.3	88.3	88.3
GE 1500	83.8	85.5	86.7	87.8	88.8	88.8	89.4	89.5	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0
GE 1200	84.7	86.5	87.8	89.0	90.3	90.4	91.0	91.1	91.3	91.4	91.5	91.5	91.5	91.6	91.6	91.6
GE 1000	84.9	86.8	88.2	89.4	90.8	90.9	91.4	91.5	91.7	91.8	91.9	91.9	91.9	92.0	92.0	92.0
GE 900	85.2	87.0	89.1	90.4	91.9	92.0	92.6	92.8	93.0	93.2	93.3	93.3	93.3	93.4	93.4	93.4
GE 800	85.6	87.7	90.2	91.6	93.2	93.3	93.9	94.1	94.3	94.5	94.6	94.6	94.6	94.7	94.7	94.7
GE 700	85.8	88.1	90.6	92.4	94.1	94.2	94.9	95.3	95.6	96.1	96.2	96.2	96.2	96.3	96.3	96.3
GE 600	85.8	88.1	90.9	92.6	94.3	94.6	95.4	95.8	96.1	96.7	96.8	96.8	96.8	96.9	96.9	96.9
GE 500	85.8	88.2	91.0	92.7	94.5	94.8	95.6	96.5	96.9	97.5	97.7	97.7	97.7	97.8	97.8	97.8
GE 400	85.8	88.2	91.0	92.7	94.5	94.8	95.6	96.5	96.9	97.5	98.4	98.4	98.5	98.6	98.6	98.6
GE 300	85.8	88.2	91.0	92.7	94.6	94.9	95.7	96.6	97.0	97.8	98.8	98.8	99.0	99.2	99.4	99.4
GE 200	85.8	88.2	91.0	92.7	94.8	95.2	95.9	96.8	97.2	98.1	99.1	99.1	99.4	99.6	99.7	99.7
GE 100	85.8	88.2	91.0	92.7	94.8	95.2	95.9	96.8	97.2	98.1	99.2	99.2	99.6	99.9	100.0	100.0
GE 000	85.8	88.2	91.0	92.7	94.8	95.2	95.9	96.8	97.2	98.1	99.2	99.2	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.7	59.0	59.4	59.7	59.9	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1
GE 20000	63.8	65.1	65.4	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
GE 18000	64.7	66.0	66.3	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1
GE 16000	64.8	66.1	66.5	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2
GE 14000	65.2	66.5	66.8	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5
GE 12000	66.6	67.8	68.2	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
GE 10000	68.8	70.2	70.5	70.9	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3
GE 9000	69.9	71.3	71.6	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
GE 8000	72.4	73.9	74.3	74.7	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3
GE 7000	73.3	75.2	75.8	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8
GE 6000	73.5	75.4	76.0	76.5	76.8	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
GE 5000	74.7	76.6	77.3	77.7	78.2	78.2	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
GE 4500	74.8	76.7	77.4	77.8	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5
GE 4000	76.6	78.4	79.2	79.7	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3
GE 3500	77.1	78.9	79.8	80.2	80.6	80.6	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	78.3	80.1	81.0	81.4	81.8	81.8	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
GE 2500	78.9	80.8	81.8	82.3	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1
GE 2000	80.5	82.5	83.7	84.2	84.6	84.6	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 1800	80.8	82.7	83.9	84.5	84.9	84.9	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4
GE 1500	82.0	84.3	85.6	86.3	87.0	87.0	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
GE 1200	83.1	86.2	87.8	88.6	89.4	89.5	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 1000	83.7	87.0	88.8	89.9	90.8	91.2	91.4	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
GE 900	83.8	87.2	89.2	90.4	91.7	92.3	92.6	92.8	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2
GE 800	84.1	87.6	90.0	91.4	92.7	93.2	94.0	94.3	94.5	94.8	94.9	94.9	95.2	95.2	95.2	95.2
GE 700	84.2	87.7	90.2	91.7	93.0	93.8	94.5	94.9	95.3	95.8	95.9	95.9	96.1	96.1	96.1	96.1
GE 600	84.3	87.8	90.3	91.9	93.2	94.1	94.8	95.6	95.9	96.6	96.7	96.7	96.9	96.9	97.0	97.0
GE 500	84.3	87.8	90.3	92.2	93.8	94.6	95.5	96.3	96.7	97.7	98.0	98.0	98.3	98.3	98.4	98.4
GE 400	84.3	87.8	90.3	92.3	93.9	94.7	95.7	96.9	97.2	98.3	98.6	98.7	99.0	99.0	99.1	99.1
GE 300	84.3	87.8	90.3	92.3	93.9	94.8	95.8	97.1	97.4	98.5	98.9	99.0	99.4	99.4	99.6	99.6
GE 200	84.3	87.8	90.3	92.3	93.9	94.8	95.8	97.1	97.4	98.5	98.9	99.0	99.4	99.4	99.6	99.6
GE 100	84.3	87.8	90.3	92.3	93.9	94.8	95.8	97.1	97.4	98.5	99.0	99.1	99.8	99.8	100.0	100.0
GE 000	84.3	87.8	90.3	92.3	93.9	94.8	95.8	97.1	97.4	98.5	99.0	99.1	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.4	58.9	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 20000	65.9	66.5	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 18000	66.1	66.7	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 16000	66.3	66.9	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 14000	66.7	67.2	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 12000	68.0	68.5	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 10000	70.0	70.5	71.4	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 9000	70.8	71.3	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 8000	73.9	74.4	75.3	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 7000	74.7	75.5	76.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 6000	75.2	76.0	77.0	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 5000	75.6	76.7	77.6	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4500	75.9	77.0	78.0	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4000	77.3	78.4	79.4	79.8	80.0	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3500	78.1	79.1	80.1	80.5	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3000	79.4	80.4	81.6	82.0	82.6	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2500	81.2	82.3	83.4	83.9	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	83.1	84.3	85.5	85.9	86.5	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1800	83.4	84.6	85.9	86.3	86.9	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1500	85.2	87.0	88.4	88.8	89.4	89.5	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9
GE 1200	85.9	88.4	90.0	90.5	91.3	91.4	91.7	91.7	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0
GE 1000	86.3	89.0	91.2	91.7	92.7	92.9	93.4	93.4	93.5	93.7	93.8	93.9	93.9	93.9	93.9	93.9
GE 900	86.3	89.1	91.5	92.5	93.5	93.8	94.5	94.5	94.7	94.8	95.1	95.2	95.3	95.3	95.3	95.3
GE 800	86.7	89.5	91.9	93.0	94.3	94.7	95.9	95.9	96.1	96.2	96.5	96.6	97.0	97.0	97.0	97.0
GE 700	86.7	89.5	92.0	93.1	94.5	94.9	96.1	96.2	96.5	96.6	96.8	96.9	97.3	97.3	97.3	97.3
GE 600	86.8	89.6	92.2	93.2	94.7	95.3	96.5	96.6	96.9	97.0	97.2	97.3	98.0	98.0	98.0	98.0
GE 500	86.8	89.6	92.3	93.3	95.1	95.6	96.9	97.0	97.3	97.6	98.0	98.1	98.8	98.8	98.8	98.8
GE 400	86.8	89.6	92.3	93.3	95.2	95.8	97.2	97.4	97.7	98.1	98.4	98.5	99.2	99.2	99.4	99.4
GE 300	86.8	89.6	92.3	93.3	95.2	95.8	97.2	97.5	97.8	98.2	98.5	98.6	99.6	99.6	99.7	99.7
GE 200	86.8	89.6	92.3	93.3	95.2	95.8	97.2	97.5	97.8	98.3	98.6	98.7	99.7	99.7	99.8	100.0
GE 100	86.8	89.6	92.3	93.3	95.2	95.8	97.2	97.5	97.8	98.3	98.6	98.7	99.7	99.7	99.8	100.0
GE 000	86.8	89.6	92.3	93.3	95.2	95.8	97.2	97.5	97.8	98.3	98.6	98.7	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.4	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 20000	65.9	66.8	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 18000	67.0	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 16000	67.0	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 14000	67.6	68.5	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 12000	69.5	70.3	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	71.5	72.6	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 9000	71.7	72.8	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 8000	75.4	76.5	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 7000	76.5	77.5	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 6000	76.9	78.1	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 5000	77.5	78.8	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4500	77.7	79.0	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4000	79.5	80.8	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3500	80.6	81.9	82.4	82.6	82.8	82.8	82.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3000	82.5	83.8	84.2	84.4	84.6	84.6	84.6	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2500	84.2	85.8	86.3	86.8	87.0	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2000	85.7	87.4	88.0	88.5	88.7	88.8	88.9	88.9	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1800	85.9	87.7	88.3	88.8	89.0	89.2	89.5	89.5	89.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1500	87.1	89.2	89.9	90.4	91.1	91.3	91.7	91.7	91.8	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 1200	87.4	90.3	91.5	92.4	93.0	93.3	93.8	93.9	94.0	94.6	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	88.4	91.3	92.8	93.7	94.5	95.2	95.7	95.8	95.9	96.6	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	88.5	91.4	92.9	93.8	94.6	95.3	95.8	95.9	96.0	96.9	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	88.5	91.4	92.9	93.8	94.7	95.5	96.0	96.2	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	88.5	91.4	93.0	93.9	94.8	95.8	96.5	96.7	96.8	97.7	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	88.5	91.4	93.1	94.0	95.2	96.1	96.8	97.0	97.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	88.5	91.4	93.3	94.2	95.5	96.6	97.2	97.4	97.5	98.5	98.9	98.9	99.0	99.0	99.0	99.0
GE 400	88.5	91.4	93.3	94.2	95.5	96.7	97.4	97.7	97.8	98.9	99.6	99.6	99.8	99.8	99.8	99.8
GE 300	88.5	91.4	93.3	94.2	95.5	96.7	97.4	97.7	97.8	98.9	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	88.5	91.4	93.3	94.2	95.5	96.7	97.4	97.7	97.8	98.9	99.6	99.6	99.8	99.8	99.9	100.0
GE 100	88.5	91.4	93.3	94.2	95.5	96.7	97.4	97.7	97.8	98.9	99.6	99.6	99.8	99.8	99.9	100.0
GE 000	88.5	91.4	93.3	94.2	95.5	96.7	97.4	97.7	97.8	98.9	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.3	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 20000	70.9	71.3	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 18000	71.0	71.4	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 16000	71.0	71.4	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 14000	71.2	71.6	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 12000	72.0	72.5	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 10000	74.4	74.8	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 9000	74.8	75.3	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 8000	77.1	77.6	77.8	78.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 7000	77.7	78.3	78.5	78.7	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 6000	78.3	79.1	79.4	79.6	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 5000	79.4	80.2	80.4	80.8	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500	79.4	80.2	80.4	80.8	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4000	80.8	81.6	81.8	82.2	82.4	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3500	81.2	82.0	82.3	82.6	82.8	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 3000	83.4	84.3	84.5	84.8	85.1	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2500	84.7	85.6	85.8	86.2	86.6	86.8	87.0	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2000	86.5	87.5	87.8	88.4	89.0	89.2	89.5	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	86.9	88.0	88.3	88.8	89.5	89.7	90.0	90.2	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1500	87.4	88.8	89.4	89.9	90.9	91.2	91.5	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200	88.3	90.2	90.9	91.8	92.9	93.2	93.5	94.1	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	88.5	91.1	91.9	93.0	94.2	94.6	95.2	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	88.7	91.4	92.4	93.5	94.8	95.3	95.8	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	88.7	91.4	92.5	93.9	95.4	95.8	96.5	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	88.8	91.6	92.7	94.1	95.8	96.2	97.1	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	88.8	91.6	92.9	94.4	96.1	96.6	97.4	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	88.8	91.6	93.1	94.6	96.3	96.8	97.6	98.6	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	88.8	91.6	93.1	94.6	96.6	97.1	98.0	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.8	91.6	93.1	94.6	96.6	97.1	98.0	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.8	91.6	93.1	94.6	96.6	97.1	98.0	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.8	91.6	93.1	94.6	96.6	97.1	98.0	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.8	91.6	93.1	94.6	96.6	97.1	98.0	99.0	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.1	68.9	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4
GE 20000	73.3	74.2	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6
GE 18000	73.8	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1
GE 16000	73.8	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1
GE 14000	74.4	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
GE 12000	74.9	75.8	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2
GE 10000	76.9	77.7	77.7	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2
GE 9000	77.1	78.0	78.0	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4	78.4
GE 8000	77.8	78.8	78.8	79.0	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6
GE 7000	78.6	79.6	79.6	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3
GE 6000	79.0	80.1	80.1	80.3	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9
GE 5000	79.1	80.2	80.2	80.4	80.6	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2
GE 4500	79.6	80.6	80.6	80.9	81.1	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6
GE 4000	80.8	81.8	81.8	82.3	82.5	82.7	82.7	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.3	83.3
GE 3500	80.9	82.0	82.0	82.5	82.7	82.9	82.9	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.5	83.5
GE 3000	82.6	83.8	84.0	84.5	84.8	85.1	85.1	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.8	85.8
GE 2500	84.6	85.8	86.0	86.6	86.9	87.1	87.2	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.1
GE 2000	85.1	87.6	87.8	88.4	88.9	89.1	89.2	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1
GE 1800	87.2	88.8	89.0	89.6	90.1	90.3	90.4	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.3	91.3
GE 1500	88.1	89.7	90.1	91.0	91.5	91.7	91.8	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7
GE 1200	88.7	90.6	91.2	92.3	93.1	93.3	93.5	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.4	94.4
GE 1000	89.6	91.9	92.6	93.8	94.7	94.9	95.2	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.1
GE 900	89.7	92.2	93.0	94.2	95.2	95.4	95.6	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6
GE 800	89.8	92.4	93.2	94.6	96.0	96.2	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 700	89.9	92.5	93.3	94.7	96.3	96.6	96.8	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7
GE 600	89.9	92.5	93.3	94.8	96.5	96.7	96.9	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.1	98.1
GE 500	89.9	92.6	93.7	95.4	97.1	97.6	98.0	98.5	98.7	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 400	89.9	92.6	93.7	95.4	97.2	97.7	98.3	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 300	89.9	92.6	93.7	95.4	97.2	97.7	98.3	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	89.9	92.6	93.7	95.4	97.2	97.7	98.3	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	89.9	92.6	93.7	95.4	97.2	97.7	98.3	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	89.9	92.6	93.7	95.4	97.2	97.7	98.3	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.3	64.1	64.4	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
GE 20000	68.8	69.7	70.1	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.8
GE 18000	69.2	70.1	70.5	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2
GE 16000	69.2	70.1	70.5	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2
GE 14000	69.6	70.5	70.9	71.2	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6
GE 12000	70.5	71.4	71.8	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
GE 10000	72.6	73.5	73.9	74.2	74.4	74.4	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
GE 9000	73.1	74.1	74.5	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2
GE 8000	75.6	76.6	77.1	77.4	77.6	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9
GE 7000	76.5	77.6	78.2	78.5	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
GE 6000	76.9	78.1	78.7	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6
GE 5000	77.6	78.8	79.4	79.8	80.1	80.2	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.5
GE 4500	77.9	79.1	79.7	80.1	80.4	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.8	80.8
GE 4000	79.4	80.6	81.2	81.7	81.9	82.0	82.1	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4
GE 3500	80.0	81.2	81.8	82.3	82.6	82.7	82.8	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1
GE 3000	81.5	82.8	83.5	83.9	84.3	84.4	84.5	84.6	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9
GE 2500	82.6	83.9	84.7	85.2	85.6	85.7	85.8	86.0	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	84.1	85.5	86.4	87.0	87.5	87.6	87.8	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.4
GE 1800	84.5	86.0	86.9	87.5	88.1	88.2	88.4	88.6	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.0
GE 1500	85.7	87.4	88.5	89.2	90.0	90.1	90.3	90.5	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9
GE 1200	86.5	88.6	89.9	90.8	91.7	91.9	92.2	92.4	92.5	92.7	92.8	92.8	92.8	92.9	92.9	92.9
GE 1000	87.0	89.4	90.9	91.9	92.9	93.2	93.5	93.8	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.3
GE 900	87.2	89.7	91.4	92.5	93.7	94.0	94.4	94.6	94.8	95.1	95.2	95.2	95.2	95.3	95.3	95.3
GE 800	87.4	90.0	91.9	93.1	94.4	94.7	95.3	95.6	95.8	96.1	96.2	96.2	96.3	96.3	96.4	96.4
GE 700	87.5	90.1	92.1	93.3	94.8	95.2	95.8	96.2	96.4	96.8	96.9	96.9	97.0	97.1	97.1	97.1
GE 600	87.5	90.2	92.2	93.5	95.0	95.5	96.1	96.6	96.8	97.2	97.4	97.4	97.5	97.6	97.6	97.6
GE 500	87.5	90.2	92.3	93.7	95.3	95.9	96.5	97.2	97.4	98.1	98.3	98.3	98.6	98.6	98.6	98.6
GE 400	87.5	90.2	92.3	93.7	95.4	96.0	96.8	97.6	97.8	98.5	98.9	99.0	99.3	99.3	99.4	99.4
GE 300	87.5	90.2	92.3	93.8	95.5	96.1	96.9	97.7	98.0	98.7	99.1	99.2	99.5	99.6	99.7	99.7
GE 200	87.5	90.2	92.3	93.8	95.5	96.1	96.9	97.7	98.0	98.8	99.3	99.3	99.7	99.7	99.8	99.9
GE 100	87.5	90.2	92.3	93.8	95.5	96.1	96.9	97.7	98.0	98.8	99.3	99.3	99.7	99.8	99.9	100.0
GE 000	87.5	90.2	92.3	93.8	95.5	96.1	96.9	97.7	98.0	98.8	99.3	99.3	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.9	57.2	58.3	58.5	58.7	58.7	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.3
GE 20000	61.1	61.6	62.6	63.1	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	64.1
GE 18000	61.2	61.7	62.8	63.2	63.6	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.2
GE 16000	61.2	61.7	62.8	63.2	63.6	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.2
GE 14000	61.7	62.2	63.2	63.7	64.1	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7
GE 12000	62.1	62.5	63.6	64.1	64.4	64.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	65.0
GE 10000	63.8	64.3	65.4	65.8	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.8
GE 9000	64.4	64.9	66.0	66.4	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.4
GE 8000	66.3	66.8	67.8	68.3	68.7	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3
GE 7000	67.4	67.8	68.9	69.5	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.4
GE 6000	67.5	68.0	69.0	69.6	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6
GE 5000	69.0	69.5	70.6	71.2	71.5	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	72.1
GE 4500	70.0	70.6	71.6	72.2	72.6	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.2
GE 4000	72.7	73.5	74.6	75.2	75.5	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	76.1
GE 3500	73.5	74.3	75.4	76.0	76.4	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	77.0
GE 3000	75.7	76.7	78.0	78.6	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.7
GE 2500	76.0	77.4	78.7	79.3	79.8	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.4
GE 2000	77.1	78.5	80.1	80.9	81.4	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.4
GE 1800	77.3	78.8	80.5	81.3	82.2	82.4	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.2
GE 1500	78.5	80.5	82.5	83.5	84.6	84.9	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7
GE 1200	79.1	81.1	83.2	84.5	85.9	86.2	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.0
GE 1000	79.9	82.4	84.8	86.3	87.9	88.4	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7
GE 900	80.0	82.9	85.2	87.4	89.1	89.7	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.1
GE 800	80.1	83.0	85.3	87.5	89.5	90.3	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.7
GE 700	80.1	83.0	85.3	87.6	89.6	90.4	91.3	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	92.1
GE 600	80.6	83.5	85.9	88.3	90.3	91.4	92.2	92.8	92.9	93.0	93.1	93.1	93.3	93.3	93.3	93.6
GE 500	80.6	83.5	85.9	88.7	90.9	92.2	93.1	93.9	94.1	94.7	94.8	94.8	94.9	94.9	94.9	95.3
GE 400	80.6	83.5	85.9	88.7	90.9	92.6	93.6	94.6	94.9	95.9	96.6	96.7	96.8	96.8	96.8	97.2
GE 300	80.6	83.5	85.9	88.7	90.9	92.6	93.7	94.9	95.5	96.8	97.6	97.8	98.1	98.3	98.5	98.8
GE 200	80.6	83.5	85.9	88.7	90.9	92.6	93.7	94.9	95.5	96.8	97.6	97.8	98.3	98.6	98.8	99.2
GE 100	80.6	83.5	85.9	88.7	90.9	92.6	93.7	94.9	95.5	96.8	97.6	97.8	98.3	98.6	98.8	99.5
GE 000	80.6	83.5	85.9	88.7	90.9	92.6	93.7	94.9	95.5	96.8	97.6	97.8	98.3	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.3	54.3	55.1	56.0	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 20000	57.8	59.0	59.8	60.8	61.2	61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 18000	58.2	59.3	60.2	61.1	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 16000	58.3	59.5	60.3	61.2	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 14000	59.5	60.6	61.5	62.4	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 12000	59.9	61.1	61.9	62.9	63.4	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 10000	61.3	62.5	63.4	64.3	64.8	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 9000	61.6	62.8	63.6	64.5	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 8000	64.3	65.6	66.4	67.4	67.8	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	66.1	67.5	68.3	69.4	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 6000	66.4	68.0	68.8	69.9	70.3	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 5000	67.1	68.7	69.5	70.6	71.0	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4500	68.0	69.5	70.3	71.4	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4000	69.7	71.3	72.1	73.2	73.6	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3500	69.9	71.4	72.2	73.3	73.8	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 3000	71.7	73.3	74.1	75.3	75.8	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	72.5	74.3	75.5	76.8	77.3	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 2000	73.6	75.9	77.1	78.5	79.0	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 1800	73.9	76.1	77.3	78.7	79.2	79.3	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 1500	75.5	77.9	79.1	80.7	81.2	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1200	76.4	79.1	80.4	82.4	82.9	83.3	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1000	77.3	80.1	82.0	84.3	85.1	85.7	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 900	77.4	80.5	82.4	84.8	85.9	86.5	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 800	77.4	80.5	82.9	85.5	86.8	87.5	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 700	77.4	80.7	83.2	86.2	87.8	88.8	89.8	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3
GE 600	77.5	80.9	83.3	86.4	88.1	89.2	90.7	91.1	91.5	91.6	92.0	92.0	92.1	92.1	92.1	92.1
GE 500	77.9	81.2	83.8	87.4	89.1	90.7	92.3	92.8	93.1	93.6	94.0	94.0	94.2	94.2	94.2	94.2
GE 400	77.9	81.3	83.9	87.5	89.2	90.9	92.6	93.3	93.9	94.6	95.4	95.5	95.7	95.9	96.0	96.0
GE 300	77.9	81.3	83.9	87.6	89.5	91.3	92.9	93.7	94.4	95.4	96.5	96.6	96.8	96.9	97.2	97.2
GE 200	77.9	81.3	83.9	87.6	89.5	91.3	92.9	93.7	94.4	95.4	97.3	97.4	97.8	98.2	98.5	98.5
GE 100	77.9	81.3	83.9	87.6	89.5	91.3	92.9	93.7	94.4	95.4	97.3	97.4	97.8	98.2	98.6	99.3
GE 000	77.9	81.3	83.9	87.6	89.5	91.3	92.9	93.7	94.4	95.4	97.3	97.4	97.8	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.7	48.1	49.2	49.9	50.4	50.4	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.4
GE 20000	52.7	54.4	55.6	56.5	57.2	57.4	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.5
GE 18000	53.3	55.0	56.1	57.1	57.8	58.0	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	59.1
GE 16000	53.3	55.0	56.1	57.1	57.8	58.0	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	59.1
GE 14000	53.9	55.6	56.7	57.7	58.4	58.6	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.7
GE 12000	53.9	55.6	56.7	57.7	58.4	58.6	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.7
GE 10000	56.0	57.7	58.9	59.8	60.5	60.8	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.8
GE 9000	56.9	58.5	59.7	60.6	61.3	61.6	61.9	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.6
GE 8000	59.6	61.2	62.4	63.5	64.2	64.4	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.5
GE 7000	62.2	63.8	65.1	66.3	67.1	67.4	67.7	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.4
GE 6000	62.6	64.4	65.8	67.0	67.8	68.1	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	69.1
GE 5000	63.1	64.9	66.4	67.6	68.4	68.7	69.0	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.7
GE 4500	64.3	66.1	67.6	68.8	69.6	69.9	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.9
GE 4000	65.1	66.9	68.4	69.6	70.4	70.7	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.7
GE 3500	66.5	68.3	69.9	71.0	72.0	72.2	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	73.3
GE 3000	68.3	70.1	71.7	73.0	74.1	74.3	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.5
GE 2500	70.0	71.9	73.8	75.2	76.2	76.5	76.8	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.7
GE 2000	71.7	73.6	75.9	77.4	78.6	79.1	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	80.4
GE 1800	72.1	74.0	76.4	78.0	79.3	79.8	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	81.1
GE 1500	72.9	74.9	77.7	79.4	80.7	81.2	82.0	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.9
GE 1200	73.4	75.9	78.8	81.0	82.6	83.1	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	85.0
GE 1000	74.1	76.8	80.5	83.0	85.0	85.5	86.5	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.4
GE 900	74.1	77.2	80.9	83.7	85.7	86.3	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	88.2
GE 800	74.2	77.3	81.1	84.0	86.2	86.8	87.8	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.7
GE 700	74.5	77.5	81.8	85.1	87.9	88.9	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.8
GE 600	74.5	77.5	82.0	85.6	88.9	90.3	91.5	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.4
GE 500	74.6	77.8	82.4	85.9	89.6	91.3	93.0	93.5	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.8
GE 400	74.6	77.8	82.4	85.9	89.6	91.5	93.4	94.2	94.8	95.9	96.1	96.3	96.5	96.5	96.5	96.9
GE 300	74.6	77.8	82.4	85.9	89.6	91.5	93.4	94.4	95.0	96.2	96.5	96.7	96.8	96.8	96.8	97.4
GE 200	74.6	77.8	82.4	85.9	89.6	91.5	93.5	94.6	95.2	96.5	97.0	97.3	97.9	98.0	98.1	98.7
GE 100	74.6	77.8	82.4	85.9	89.6	91.5	93.6	94.7	95.3	96.6	97.4	97.6	98.5	98.6	98.7	99.6
GE 000	74.6	77.8	82.4	85.9	89.6	91.5	93.6	94.7	95.3	96.6	97.4	97.6	98.5	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.9	46.3	47.3	47.6	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.1	48.1	48.2	48.2
GE 20000	55.4	56.9	57.9	58.3	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.9	58.9
GE 18000	56.0	57.4	58.5	58.9	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.5	59.5
GE 16000	56.0	57.4	58.5	58.9	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.5	59.5
GE 14000	56.7	58.2	59.2	59.6	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.2	60.2
GE 12000	58.0	59.6	60.6	61.0	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.5	61.5	61.6	61.6
GE 10000	58.9	60.4	61.5	61.8	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.4	62.4
GE 9000	59.6	61.3	62.4	62.8	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.4	63.4
GE 8000	60.9	63.0	64.1	64.5	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0	65.1	65.1
GE 7000	64.1	66.2	67.5	68.1	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.6	68.6	68.7	68.7
GE 6000	65.1	67.3	68.6	69.1	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.7	69.7
GE 5000	65.6	67.7	69.0	69.9	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.6	70.6
GE 4500	66.4	68.8	70.1	70.9	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.5	71.5	71.6	71.6
GE 4000	67.6	70.0	71.3	72.1	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	73.0	73.0
GE 3500	69.3	71.6	72.9	73.8	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.6	74.6	74.7	74.7
GE 3000	71.6	74.0	75.3	76.2	76.7	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.1	77.1	77.2	77.2
GE 2500	72.8	75.3	76.6	77.5	78.0	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.4	78.4	78.5	78.5
GE 2000	74.8	77.8	79.1	80.0	80.5	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.2	81.2	81.3	81.3
GE 1800	75.1	78.3	79.6	80.5	81.0	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.7	81.7	81.8	81.8
GE 1500	75.7	79.0	81.0	82.2	83.0	83.2	83.7	83.7	83.8	83.8	83.8	83.8	83.9	83.9	84.0	84.0
GE 1200	75.8	79.6	81.8	83.1	84.2	84.4	85.0	85.0	85.1	85.3	85.3	85.3	85.5	85.5	85.6	85.6
GE 1000	75.8	79.7	82.3	83.9	85.3	85.8	86.8	86.8	87.1	87.4	87.5	87.5	87.6	87.6	87.7	87.7
GE 900	76.0	79.9	82.7	84.5	86.3	87.0	88.2	88.2	88.5	88.8	88.9	88.9	89.0	89.0	89.1	89.1
GE 800	76.0	80.0	82.9	84.9	86.9	87.6	88.8	88.9	89.2	89.6	89.7	89.7	89.8	89.8	90.0	90.0
GE 700	76.0	80.0	82.9	85.0	87.5	88.5	89.7	90.0	90.3	90.8	90.9	90.9	91.0	91.0	91.1	91.1
GE 600	76.0	80.0	83.0	85.2	88.1	89.1	90.4	90.7	91.0	91.5	91.7	91.7	92.1	92.1	92.2	92.2
GE 500	76.0	80.0	83.0	85.3	88.3	89.7	92.2	92.8	93.7	94.4	95.0	95.0	95.5	95.5	95.6	95.6
GE 400	76.0	80.0	83.0	85.5	88.7	90.1	93.1	94.0	95.2	96.2	96.9	97.2	97.8	97.9	98.1	98.1
GE 300	76.0	80.0	83.0	85.5	88.8	90.2	93.3	94.2	95.4	96.6	97.6	98.0	98.7	98.8	99.1	99.2
GE 200	76.0	80.0	83.0	85.5	88.9	90.3	93.4	94.3	95.5	96.8	98.2	98.6	99.4	99.5	99.9	100.0
GE 100	76.0	80.0	83.0	85.5	88.9	90.3	93.4	94.3	95.5	96.8	98.2	98.6	99.4	99.5	99.9	100.0
GE 000	76.0	80.0	83.0	85.5	88.9	90.3	93.4	94.3	95.5	96.8	98.2	98.6	99.4	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.7	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	60.2	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	60.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 16000	60.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 14000	61.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 12000	62.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 10000	64.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 9000	64.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 8000	66.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	69.7	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 6000	70.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 5000	71.0	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 4500	71.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4000	71.6	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3500	72.8	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3000	75.1	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1
GE 2500	76.2	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.0
GE 2000	77.7	80.0	80.5	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1
GE 1800	78.3	81.0	81.4	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.3	82.4	82.4	82.4
GE 1500	79.0	82.5	83.3	84.2	84.3	84.5	84.6	84.8	84.8	84.8	85.0	85.1	85.2	85.2	85.2	85.2
GE 1200	79.6	83.6	84.6	85.8	86.5	86.9	87.0	87.1	87.1	87.2	87.6	87.7	87.8	87.8	87.8	87.8
GE 1000	79.7	83.8	84.9	86.2	87.4	88.2	88.7	88.8	88.8	89.0	89.4	89.5	89.6	89.6	89.6	89.6
GE 900	79.8	84.2	85.5	87.0	88.3	89.5	90.1	90.5	90.7	90.9	91.3	91.4	91.5	91.5	91.5	91.5
GE 800	79.9	84.3	85.8	87.8	89.4	90.7	91.4	92.0	92.1	92.3	92.7	92.8	92.9	92.9	92.9	92.9
GE 700	80.0	84.8	86.4	88.4	90.0	91.8	92.8	93.5	93.6	94.0	94.3	94.4	94.6	94.6	94.6	94.6
GE 600	80.0	84.8	86.4	88.7	90.7	92.9	94.0	94.8	94.9	95.3	95.7	95.9	96.0	96.0	96.0	96.0
GE 500	80.0	84.8	86.4	89.1	91.3	93.9	95.0	96.3	96.7	97.2	97.6	97.8	98.1	98.1	98.1	98.1
GE 400	80.0	84.8	86.4	89.1	91.3	94.0	95.2	96.5	96.8	97.4	98.0	98.1	98.8	98.8	98.8	98.8
GE 300	80.0	84.8	86.4	89.1	91.3	94.0	95.3	96.6	96.9	97.6	98.3	98.5	99.4	99.5	99.6	99.6
GE 200	80.0	84.8	86.4	89.1	91.3	94.0	95.3	96.6	96.9	97.6	98.7	98.8	99.8	99.9	100.0	100.0
GE 100	80.0	84.8	86.4	89.1	91.3	94.0	95.3	96.6	96.9	97.6	98.7	98.8	99.8	99.9	100.0	100.0
GE 000	80.0	84.8	86.4	89.1	91.3	94.0	95.3	96.6	96.9	97.6	98.7	98.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.6	50.1	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 20000	58.5	59.2	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 18000	59.2	59.9	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	59.3	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 14000	59.9	60.6	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 12000	61.1	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 10000	64.7	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 9000	65.5	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 8000	67.6	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	70.0	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 6000	70.7	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 5000	72.3	73.0	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 4500	72.8	73.5	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	73.8	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	75.7	76.4	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3000	77.7	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 2500	78.5	79.3	79.7	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	79.8	80.9	81.2	81.4	81.6	81.6	81.7	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 1800	80.0	81.1	81.4	81.8	82.0	82.0	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 1500	81.9	83.8	85.1	85.6	86.6	86.9	87.4	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1200	82.4	84.8	86.2	87.0	88.5	88.8	89.5	89.6	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 1000	82.7	85.2	86.9	87.7	89.7	90.2	91.1	91.5	91.8	91.8	92.0	92.1	92.7	92.7	92.7	92.7
GE 900	82.7	85.5	87.1	88.1	90.5	91.0	92.1	92.4	92.8	92.8	92.9	93.0	93.6	93.6	93.6	93.6
GE 800	82.7	85.5	87.1	88.3	90.9	91.8	93.1	93.6	94.0	94.1	94.2	94.3	94.9	94.9	94.9	94.9
GE 700	82.9	85.6	87.2	88.4	91.0	92.1	93.6	94.2	94.6	94.7	94.8	94.9	95.5	95.5	95.5	95.5
GE 600	83.1	85.8	87.7	88.9	92.0	93.1	94.9	95.5	96.0	96.2	96.5	96.6	97.3	97.3	97.3	97.3
GE 500	83.1	85.8	87.7	88.9	92.4	93.7	95.5	96.2	96.8	97.4	97.6	97.8	98.5	98.5	98.5	98.5
GE 400	83.1	85.8	87.7	88.9	92.6	93.9	95.6	96.5	97.0	97.9	98.1	98.5	99.2	99.2	99.2	99.2
GE 300	83.1	85.8	87.7	88.9	92.6	93.9	95.9	96.7	97.3	98.1	98.5	98.8	99.5	99.5	99.5	99.5
GE 200	83.1	85.8	87.7	88.9	92.6	93.9	95.9	96.7	97.3	98.1	98.5	98.8	99.9	99.9	100.0	100.0
GE 100	83.1	85.8	87.7	88.9	92.6	93.9	95.9	96.7	97.3	98.1	98.5	98.8	99.9	99.9	100.0	100.0
GE 000	83.1	85.8	87.7	88.9	92.6	93.9	95.9	96.7	97.3	98.1	98.5	98.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	55.9	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 20000	63.0	63.2	63.9	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 18000	64.2	64.4	65.1	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 16000	64.2	64.4	65.1	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	64.7	64.9	65.6	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 12000	65.2	65.5	66.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 10000	67.7	68.0	68.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 9000	68.8	69.1	69.9	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 8000	69.5	69.9	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	70.9	71.4	72.1	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 6000	71.7	72.2	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 5000	72.8	73.3	74.0	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4500	73.5	74.0	74.7	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	75.4	75.9	76.6	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 3500	76.5	77.1	78.0	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 3000	78.8	80.0	81.2	81.4	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2500	79.6	81.0	82.2	82.4	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2000	80.9	82.3	83.6	83.8	84.5	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1800	81.2	82.9	84.3	84.5	85.3	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1500	82.2	83.8	85.5	86.1	87.4	87.7	88.4	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1200	82.4	84.0	86.3	87.1	88.7	89.0	89.7	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1000	82.7	84.4	86.6	87.8	89.5	90.2	91.4	91.5	91.6	91.8	91.8	91.8	92.0	92.0	92.0	92.0
GE 900	83.2	85.2	87.5	88.8	90.7	91.4	92.8	93.0	93.1	93.5	93.6	93.6	93.7	93.7	93.7	93.7
GE 800	83.2	85.2	87.5	88.9	90.9	91.6	93.1	93.4	93.5	93.9	94.0	94.0	94.1	94.1	94.1	94.1
GE 700	83.2	85.2	87.5	88.9	91.0	92.0	93.7	94.1	94.2	94.6	94.8	94.8	94.9	94.9	94.9	94.9
GE 600	83.2	85.3	87.7	89.1	91.4	92.8	95.0	95.6	95.9	96.2	96.7	96.7	96.8	96.8	96.8	96.8
GE 500	83.2	85.3	87.7	89.2	91.5	93.0	95.4	96.0	96.3	96.7	97.2	97.2	97.3	97.3	97.3	97.3
GE 400	83.2	85.3	87.8	89.4	91.6	93.3	95.9	96.5	96.8	97.4	98.0	98.0	98.1	98.1	98.1	98.1
GE 300	83.2	85.3	87.8	89.4	91.6	93.4	96.2	96.8	97.2	97.9	98.6	98.8	98.9	98.9	99.1	99.1
GE 200	83.2	85.3	87.8	89.4	91.6	93.4	96.2	96.8	97.2	97.9	98.7	99.1	99.2	99.2	99.9	99.9
GE 100	83.2	85.3	87.8	89.4	91.6	93.4	96.2	96.8	97.2	97.9	98.7	99.1	99.3	99.3	100.0	100.0
GE 000	83.2	85.3	87.8	89.4	91.6	93.4	96.2	96.8	97.2	97.9	98.7	99.1	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.6	58.7	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.3
GE 20000	64.2	64.4	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.2
GE 18000	64.5	64.8	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.5
GE 16000	64.5	64.8	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.5
GE 14000	65.1	65.4	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1
GE 12000	65.6	65.8	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.6
GE 10000	67.5	67.7	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.5
GE 9000	68.3	68.6	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.3
GE 8000	70.0	70.2	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9	72.0
GE 7000	70.9	71.3	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	73.0	73.2
GE 6000	71.2	71.5	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.2	73.2	73.2	73.3	73.4
GE 5000	72.8	73.2	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.9	75.1
GE 4500	73.8	74.1	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.9	76.0
GE 4000	75.5	75.9	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.7	77.8
GE 3500	76.4	76.7	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.8	79.0
GE 3000	79.6	79.9	81.3	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.3	82.4
GE 2500	79.8	80.5	81.9	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.9	83.0
GE 2000	81.0	81.7	83.1	83.6	83.8	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.2	84.3
GE 1800	81.1	82.0	83.5	84.0	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.6	84.8
GE 1500	81.7	82.9	84.6	86.1	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.8	86.8	86.8	86.9	87.0
GE 1200	82.5	83.9	85.8	87.4	87.6	87.9	88.5	88.5	88.5	88.5	88.5	88.7	88.7	88.7	88.8	88.9
GE 1000	83.3	84.8	86.9	88.8	89.1	89.6	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	91.0	91.1
GE 900	83.5	85.1	87.2	89.2	89.6	90.2	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.8	92.0
GE 800	83.5	85.2	87.5	89.5	90.1	90.7	92.2	92.2	92.2	92.2	92.2	92.3	92.4	92.4	92.6	92.7
GE 700	83.5	85.3	87.6	89.7	90.4	91.4	92.9	92.9	92.9	93.0	93.1	93.3	93.3	93.3	93.4	93.5
GE 600	83.5	85.5	87.7	89.8	90.5	91.7	93.6	93.7	93.7	94.1	94.6	94.7	94.8	94.8	94.9	95.0
GE 500	83.5	85.5	87.7	90.0	90.8	92.3	94.4	94.7	94.7	95.3	95.9	96.0	96.1	96.1	96.2	96.3
GE 400	83.5	85.5	87.7	90.0	90.8	92.3	94.7	95.0	95.0	95.9	96.5	96.6	96.7	96.7	96.8	96.9
GE 300	83.5	85.5	87.7	90.0	91.0	92.6	95.0	95.6	95.6	96.5	97.3	97.5	97.8	97.8	98.2	98.3
GE 200	83.5	85.5	87.7	90.0	91.0	92.6	95.0	95.7	95.9	96.7	97.5	97.8	98.3	98.7	99.5	99.6
GE 100	83.5	85.5	87.7	90.0	91.0	92.6	95.0	95.7	95.9	96.7	97.5	97.8	98.3	98.7	99.5	99.6
GE 000	83.5	85.5	87.7	90.0	91.0	92.6	95.0	95.7	95.9	96.7	97.5	97.8	98.3	98.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.8	52.6	53.3	53.6	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.1
GE 20000	59.1	60.0	60.8	61.2	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8
GE 18000	59.6	60.5	61.3	61.7	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3
GE 16000	59.7	60.6	61.4	61.7	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4
GE 14000	60.3	61.2	62.0	62.4	62.7	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0
GE 12000	61.1	62.0	62.8	63.2	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.8
GE 10000	63.0	63.9	64.7	65.1	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.7
GE 9000	63.7	64.7	65.5	65.9	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.5
GE 8000	65.6	66.6	67.4	67.8	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5
GE 7000	67.7	68.7	69.6	70.0	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.7
GE 6000	68.2	69.3	70.2	70.6	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.3
GE 5000	69.2	70.3	71.2	71.7	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.4
GE 4500	70.0	71.2	72.0	72.5	72.8	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.2
GE 4000	71.4	72.6	73.5	74.0	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.7
GE 3500	72.6	73.8	74.7	75.2	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.9
GE 3000	74.8	76.1	77.1	77.7	78.2	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.6
GE 2500	75.7	77.3	78.4	79.0	79.5	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.9
GE 2000	77.1	78.8	80.1	80.8	81.3	81.4	81.6	81.7	81.8	81.8	81.8	81.8	81.9	81.9	81.9	82.0
GE 1800	77.4	79.3	80.5	81.3	81.9	82.1	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.6	82.7
GE 1500	78.4	80.7	82.3	83.5	84.3	84.5	84.9	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.4
GE 1200	78.9	81.5	83.4	84.8	85.9	86.2	86.8	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.2	87.3
GE 1000	79.4	82.2	84.4	86.0	87.4	87.9	88.8	89.0	89.1	89.2	89.3	89.3	89.4	89.4	89.5	89.6
GE 900	79.6	82.6	84.8	86.7	88.3	88.9	90.0	90.2	90.3	90.4	90.5	90.6	90.7	90.7	90.7	90.8
GE 800	79.6	82.6	85.0	87.0	88.8	89.6	90.7	91.0	91.1	91.3	91.4	91.4	91.5	91.5	91.5	91.7
GE 700	79.7	82.8	85.2	87.4	89.4	90.5	91.7	92.1	92.2	92.4	92.5	92.6	92.7	92.7	92.7	92.8
GE 600	79.8	82.9	85.5	87.8	90.0	91.3	92.8	93.2	93.5	93.7	94.0	94.1	94.3	94.3	94.3	94.4
GE 500	79.9	83.0	85.6	88.1	90.5	92.1	93.9	94.5	94.9	95.4	95.8	95.8	96.1	96.1	96.1	96.3
GE 400	79.9	83.0	85.6	88.1	90.6	92.3	94.3	95.1	95.6	96.4	96.9	97.1	97.4	97.5	97.5	97.7
GE 300	79.9	83.0	85.6	88.1	90.6	92.4	94.5	95.4	95.9	96.9	97.6	97.8	98.3	98.3	98.5	98.6
GE 200	79.9	83.0	85.6	88.1	90.7	92.4	94.5	95.4	96.0	97.0	97.9	98.2	98.8	99.0	99.3	99.5
GE 100	79.9	83.0	85.6	88.1	90.7	92.4	94.5	95.4	96.0	97.0	98.0	98.7	98.9	99.1	99.4	99.8
GE 000	79.9	83.0	85.6	88.1	90.7	92.4	94.5	95.4	96.0	97.0	98.0	98.2	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.7	56.0	56.6	57.3	57.3	57.4	57.4	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.8	57.8
GE 20000	58.7	59.0	59.6	60.4	60.4	60.5	60.5	60.5	60.6	60.8	60.8	60.8	60.9	60.9	61.0	61.0
GE 18000	58.7	59.0	59.6	60.4	60.4	60.5	60.5	60.5	60.6	60.8	60.8	60.8	60.9	60.9	61.0	61.0
GE 16000	58.9	59.2	59.8	60.6	60.6	60.8	60.8	60.8	60.9	61.0	61.0	61.0	61.1	61.1	61.2	61.2
GE 14000	59.6	59.9	60.4	61.3	61.3	61.4	61.4	61.4	61.5	61.6	61.6	61.6	61.7	61.7	61.8	61.8
GE 12000	59.8	60.1	60.6	61.5	61.5	61.6	61.6	61.6	61.7	61.8	61.8	61.8	61.9	61.9	62.0	62.0
GE 10000	61.6	61.9	62.5	63.3	63.3	63.4	63.4	63.4	63.5	63.7	63.7	63.7	63.8	63.8	63.9	63.9
GE 9000	62.2	62.5	63.0	63.9	63.9	64.0	64.0	64.0	64.1	64.2	64.2	64.2	64.3	64.3	64.4	64.4
GE 8000	64.1	64.7	65.4	66.2	66.2	66.3	66.3	66.3	66.5	66.6	66.6	66.6	66.7	66.7	66.8	66.8
GE 7000	65.5	66.1	66.8	67.6	67.6	67.7	67.7	67.7	67.8	68.0	68.0	68.0	68.1	68.1	68.2	68.2
GE 6000	67.0	67.7	68.4	69.2	69.2	69.4	69.4	69.4	69.5	69.6	69.6	69.6	69.7	69.7	69.8	69.8
GE 5000	68.5	69.2	70.0	71.0	71.0	71.1	71.1	71.1	71.2	71.3	71.3	71.3	71.4	71.4	71.5	71.5
GE 4500	69.0	70.2	71.0	71.9	71.9	72.0	72.0	72.0	72.2	72.3	72.3	72.3	72.4	72.4	72.5	72.5
GE 4000	71.9	73.1	74.2	75.3	75.3	75.4	75.4	75.4	75.5	75.6	75.6	75.6	75.7	75.7	75.8	75.8
GE 3500	73.7	75.2	76.2	77.3	77.3	77.4	77.4	77.4	77.5	77.6	77.6	77.6	77.7	77.7	77.8	77.8
GE 3000	76.5	78.0	79.2	80.3	80.3	80.4	80.4	80.4	80.5	80.6	80.6	80.6	80.8	80.8	80.9	80.9
GE 2500	77.6	79.2	80.5	81.7	81.7	81.8	81.8	81.8	81.9	82.0	82.0	82.0	82.2	82.2	82.3	82.3
GE 2000	78.9	80.6	81.9	83.2	83.3	83.4	83.4	83.4	83.5	83.7	83.7	83.7	83.8	83.8	83.9	83.9
GE 1800	79.2	81.0	82.5	83.9	84.0	84.1	84.1	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.5	84.5
GE 1500	81.1	82.9	84.7	86.2	87.0	87.1	87.1	87.4	87.5	87.6	87.6	87.6	87.7	87.7	87.8	87.8
GE 1200	81.7	83.7	85.6	87.2	88.3	88.5	88.9	89.2	89.4	89.5	89.6	89.6	89.7	89.7	89.8	89.8
GE 1000	82.0	84.3	86.5	88.4	89.8	90.4	91.3	91.6	91.7	91.9	92.0	92.0	92.2	92.2	92.3	92.3
GE 900	82.2	84.5	86.9	88.8	90.4	91.4	92.5	92.8	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4
GE 800	82.5	84.8	87.4	89.5	91.5	92.6	94.0	94.3	94.4	94.7	94.8	94.8	94.9	94.9	95.1	95.1
GE 700	82.7	85.3	88.2	90.2	92.4	93.9	95.4	96.0	96.1	96.5	96.6	96.6	96.8	96.8	96.9	96.9
GE 600	82.9	85.7	88.6	90.6	92.8	94.3	95.8	96.5	96.6	96.9	97.0	97.0	97.2	97.2	97.3	97.3
GE 500	83.1	85.9	88.8	91.0	93.4	94.9	96.6	97.2	97.3	97.6	97.7	97.7	98.0	98.0	98.1	98.1
GE 400	83.1	86.0	88.9	91.2	93.8	95.4	97.4	98.3	98.4	98.7	98.8	98.8	99.0	99.1	99.2	99.2
GE 300	83.1	86.0	88.9	91.2	93.8	95.4	97.4	98.3	98.4	98.9	99.1	99.1	99.5	99.6	99.7	99.7
GE 200	83.1	86.0	88.9	91.2	93.8	95.5	97.5	98.5	98.6	99.1	99.4	99.4	99.7	99.8	99.9	99.9
GE 100	83.1	86.0	88.9	91.2	93.8	95.5	97.5	98.5	98.6	99.1	99.4	99.4	99.7	99.8	99.9	99.9
GE 000	83.1	86.0	88.9	91.2	93.8	95.5	97.5	98.5	98.6	99.1	99.4	99.4	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.4	55.4	55.5	56.2	56.5	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.3	57.4	57.7	57.7
GE 20000	57.3	58.4	58.5	59.2	59.8	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.9	61.0	61.3	61.3
GE 18000	57.3	58.4	58.5	59.2	59.8	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.9	61.0	61.3	61.3
GE 16000	57.3	58.4	58.5	59.2	59.8	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.9	61.0	61.3	61.3
GE 14000	57.6	58.7	58.8	59.6	60.1	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.3	61.6	61.6
GE 12000	57.8	58.9	59.0	59.8	60.3	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.4	61.5	61.8	61.8
GE 10000	59.5	60.5	60.6	61.4	61.9	62.6	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.1	63.4	63.4
GE 9000	60.2	61.3	61.4	62.2	62.7	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.8	63.9	64.2	64.2
GE 8000	63.0	64.1	64.2	64.9	65.5	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.6	66.7	67.0	67.0
GE 7000	64.7	65.8	65.9	66.7	67.2	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.3	68.4	68.7	68.7
GE 6000	65.8	66.9	67.0	67.8	68.4	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.5	69.6	69.9	69.9
GE 5000	66.5	67.5	67.8	68.7	69.2	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.4	70.8	70.8
GE 4500	66.9	68.0	68.3	69.1	69.7	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.9	71.2	71.2
GE 4000	70.2	71.4	71.7	72.6	73.1	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.3	74.6	74.6
GE 3500	71.6	72.8	73.2	74.1	74.6	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.8	76.1	76.1
GE 3000	73.7	74.9	75.6	76.5	77.0	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78.2	78.5	78.5
GE 2500	74.4	75.7	76.5	77.3	78.1	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.2	79.4	79.7	79.7
GE 2000	76.1	77.4	78.2	79.1	80.0	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.3	81.6	81.6
GE 1800	76.8	78.1	78.9	79.9	80.9	81.6	81.8	81.8	81.8	81.8	81.8	81.8	82.0	82.2	82.5	82.5
GE 1500	78.7	80.1	81.2	82.4	83.7	84.6	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.2	85.5	85.5
GE 1200	79.7	81.4	83.3	85.2	86.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.6	88.9	88.9
GE 1000	80.2	82.4	84.8	86.9	88.7	89.9	90.4	90.4	90.4	90.4	90.6	90.6	90.9	91.0	91.3	91.3
GE 900	80.2	82.6	85.1	87.1	89.0	90.2	91.0	91.0	91.0	91.0	91.2	91.2	91.4	91.5	91.8	91.8
GE 800	80.4	82.9	85.4	87.4	89.9	91.2	92.3	92.3	92.3	92.3	92.6	92.6	92.8	92.9	93.2	93.2
GE 700	81.0	83.4	86.0	88.3	91.0	92.6	93.8	94.0	94.0	94.0	94.3	94.3	94.5	94.6	94.9	94.9
GE 600	81.2	83.8	86.3	88.7	91.5	93.2	94.4	94.6	94.6	94.6	94.9	94.9	95.2	95.3	95.6	95.6
GE 500	81.2	83.9	86.5	89.0	91.9	94.0	95.4	95.7	95.8	96.0	96.3	96.3	96.6	96.7	97.0	97.0
GE 400	81.3	84.1	87.0	89.7	93.0	95.5	97.0	97.5	97.6	97.8	98.3	98.3	98.5	98.6	98.9	98.9
GE 300	81.4	84.2	87.1	89.8	93.1	95.6	97.1	97.6	97.7	98.2	98.6	98.6	98.8	98.9	99.2	99.2
GE 200	81.4	84.2	87.1	89.8	93.1	95.6	97.1	97.7	97.8	98.3	99.0	99.0	99.4	99.5	99.9	99.9
GE 100	81.4	84.2	87.1	89.8	93.1	95.6	97.1	97.7	97.8	98.3	99.0	99.0	99.4	99.5	99.9	99.9
GE 000	81.4	84.2	87.1	89.8	93.1	95.6	97.1	97.7	97.8	98.3	99.0	99.0	99.4	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	47.7	49.1	50.0	50.6	50.8	51.3	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.6	51.9
GE 20000	49.7	51.8	53.3	54.2	54.9	55.1	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.1	56.5
GE 18000	50.3	52.5	54.0	54.8	55.6	55.7	56.5	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.8	57.1
GE 16000	50.3	52.5	54.0	54.8	55.6	55.7	56.5	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.8	57.1
GE 14000	50.4	52.7	54.2	55.1	55.8	55.9	56.7	56.7	56.7	56.7	56.9	56.9	56.9	56.9	57.0	57.3
GE 12000	51.1	53.3	54.8	55.7	56.5	56.6	57.3	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.6	58.0
GE 10000	52.7	54.9	56.5	57.3	58.1	58.2	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.2	59.6
GE 9000	53.4	55.7	57.2	58.1	58.8	58.9	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	60.0	60.3
GE 8000	55.2	57.4	58.9	59.8	60.5	60.6	61.4	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.7	62.0
GE 7000	57.1	59.5	61.1	61.9	62.7	62.8	63.5	63.5	63.5	63.5	63.8	63.8	63.8	63.8	63.9	64.2
GE 6000	57.8	60.3	61.9	62.8	63.5	63.7	64.4	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.7	65.1
GE 5000	58.8	61.6	63.3	64.3	65.1	65.2	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.2	66.6
GE 4500	59.1	62.2	63.9	64.8	65.6	65.7	66.5	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.8	67.1
GE 4000	62.7	65.7	67.5	68.6	69.5	69.6	70.3	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.6	71.0
GE 3500	63.9	67.1	68.9	70.0	70.9	71.0	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	72.0	72.4
GE 3000	65.9	69.5	71.4	72.5	73.3	73.5	74.3	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.6	74.9
GE 2500	67.2	70.9	72.9	74.0	75.1	75.3	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.3	76.7
GE 2000	69.7	73.5	75.9	77.2	78.3	78.5	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.7	80.0
GE 1800	70.6	74.6	77.0	78.4	79.6	79.8	80.9	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.2	81.5
GE 1500	72.7	76.7	79.7	81.1	82.5	82.7	83.9	84.1	84.2	84.2	84.4	84.4	84.4	84.4	84.5	84.8
GE 1200	73.8	77.8	81.3	82.9	84.7	85.1	86.3	86.6	86.8	86.8	87.0	87.0	87.0	87.0	87.1	87.4
GE 1000	74.2	79.5	83.5	85.5	88.0	88.4	89.7	90.0	90.3	90.3	90.5	90.5	90.5	90.5	90.6	91.0
GE 900	74.2	79.6	83.8	86.0	88.6	89.0	90.3	90.6	91.0	91.0	91.3	91.3	91.4	91.4	91.5	91.8
GE 800	74.5	79.9	84.6	87.0	90.0	90.5	91.8	92.3	92.6	92.6	92.9	92.9	93.1	93.1	93.2	93.5
GE 700	74.7	80.2	85.3	88.0	91.2	92.0	93.5	94.0	94.3	94.3	94.6	94.6	94.8	94.8	94.9	95.3
GE 600	74.8	80.3	85.5	88.3	91.8	92.8	94.3	94.8	95.2	95.2	95.5	95.5	95.7	95.7	95.9	96.2
GE 500	74.9	80.4	85.7	88.8	92.6	93.5	95.2	95.7	96.0	96.0	96.6	96.6	96.8	96.8	97.0	97.3
GE 400	75.2	80.6	86.0	89.5	93.3	94.4	96.1	96.8	97.3	97.3	97.8	97.8	98.1	98.1	98.3	98.6
GE 300	75.2	80.6	86.0	89.5	93.3	94.4	96.3	97.0	97.6	98.0	98.5	98.5	98.7	98.7	99.0	99.4
GE 200	75.2	80.6	86.0	89.5	93.3	94.4	96.3	97.0	97.6	98.0	98.8	98.8	99.1	99.1	99.7	100.0
GE 100	75.2	80.6	86.0	89.5	93.3	94.4	96.3	97.0	97.6	98.0	98.8	98.8	99.1	99.1	99.7	100.0
GE 000	75.2	80.6	86.0	89.5	93.3	94.4	96.3	97.0	97.6	98.0	98.8	98.8	99.1	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.8	49.4	49.8	50.1	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0
GE 20000	53.4	55.2	55.7	56.0	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0
GE 18000	53.7	55.4	55.9	56.2	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
GE 16000	53.7	55.4	55.9	56.2	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
GE 14000	54.0	55.8	56.3	56.7	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6
GE 12000	54.9	56.9	57.4	57.7	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7
GE 10000	59.1	61.1	61.6	61.9	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9
GE 9000	59.8	61.7	62.3	62.6	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5
GE 8000	62.5	64.6	65.2	65.5	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5
GE 7000	63.7	66.0	66.6	66.9	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8
GE 6000	64.1	66.6	67.1	67.4	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
GE 5000	64.9	67.4	68.0	68.6	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
GE 4500	65.4	67.8	68.4	69.0	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
GE 4000	67.0	69.6	70.3	71.0	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
GE 3500	68.2	70.8	71.5	72.4	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3
GE 3000	70.3	73.1	74.1	74.9	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
GE 2500	72.4	75.2	76.3	77.3	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
GE 2000	73.7	76.9	78.9	80.1	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
GE 1800	74.3	77.5	79.7	80.9	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8
GE 1500	76.5	79.8	82.2	83.4	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5
GE 1200	77.6	81.4	84.0	85.5	86.3	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0
GE 1000	78.2	82.6	85.8	88.1	89.2	89.8	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
GE 900	78.5	83.2	86.8	89.7	91.2	91.7	92.2	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.0
GE 800	78.6	83.5	87.2	90.1	92.0	92.9	93.4	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.5
GE 700	78.7	83.7	87.4	91.0	93.3	94.8	95.6	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9
GE 600	78.7	83.7	87.6	91.2	94.1	95.7	96.8	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2
GE 500	78.8	83.8	87.7	91.4	94.4	96.1	97.3	98.3	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.2
GE 400	78.8	83.8	87.7	91.4	94.6	96.3	97.6	98.6	99.0	99.5	99.6	99.7	99.8	99.8	99.8	99.9
GE 300	78.8	83.8	87.7	91.4	94.6	96.3	97.6	98.6	99.0	99.5	99.6	99.7	99.9	99.9	99.9	100.0
GE 200	78.8	83.8	87.7	91.4	94.6	96.3	97.6	98.6	99.0	99.5	99.6	99.7	99.9	99.9	99.9	100.0
GE 100	78.8	83.8	87.7	91.4	94.6	96.3	97.6	98.6	99.0	99.5	99.6	99.7	99.9	99.9	99.9	100.0
GE 000	78.8	83.8	87.7	91.4	94.6	96.3	97.6	98.6	99.0	99.5	99.6	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.4	51.6	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 20000	58.6	59.0	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	58.6	59.0	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 16000	58.6	59.0	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 14000	58.8	59.2	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 12000	59.9	60.3	60.4	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 10000	61.4	61.8	61.9	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 9000	62.5	62.9	63.0	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 8000	64.8	65.4	65.5	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 7000	66.2	67.1	67.2	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 6000	66.9	67.7	68.0	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 5000	67.7	68.7	68.9	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4500	68.1	69.0	69.2	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 4000	70.0	71.2	71.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 3500	71.1	72.4	72.7	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 3000	74.7	76.1	76.8	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 2500	77.4	78.9	79.7	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2000	79.2	81.5	82.5	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1800	80.0	82.4	83.4	84.1	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1500	81.5	84.0	85.4	86.1	86.6	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1200	83.7	86.6	88.5	89.2	90.1	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1000	84.1	87.4	90.1	91.1	92.2	92.3	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3
GE 900	84.1	87.6	90.8	91.9	93.4	93.5	94.3	94.7	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 800	84.1	87.8	91.0	92.5	94.4	94.7	95.5	95.9	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 700	84.2	88.0	91.2	93.0	95.6	95.9	96.7	97.1	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 600	84.2	88.1	91.4	93.2	96.2	97.0	97.8	98.3	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 500	84.2	88.1	91.4	93.5	96.8	97.5	98.5	98.9	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	84.2	88.1	91.4	93.7	96.9	97.6	98.6	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	84.2	88.1	91.4	93.7	96.9	97.6	98.6	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	84.2	88.1	91.4	93.7	96.9	97.6	98.6	99.2	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	84.2	88.1	91.4	93.7	96.9	97.6	98.6	99.2	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	84.2	88.1	91.4	93.7	96.9	97.6	98.6	99.2	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.2	49.5	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 20000	58.6	59.1	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	58.9	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 16000	59.1	59.7	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	59.8	60.3	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 12000	60.6	61.2	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 10000	63.9	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 9000	64.3	64.8	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 8000	66.8	67.3	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 7000	68.0	68.5	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 6000	68.4	69.0	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	69.7	70.8	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 4500	70.2	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	73.1	74.4	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3500	74.5	75.8	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3000	77.3	78.8	79.4	79.9	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 2500	80.1	81.8	82.6	83.3	83.4	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	82.0	84.0	84.7	85.5	85.6	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1800	82.5	84.4	85.2	85.9	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	84.7	86.9	87.8	88.8	89.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6
GE 1200	85.5	88.1	89.2	90.3	91.0	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9
GE 1000	85.7	88.4	89.9	91.0	91.8	92.4	93.2	93.3	93.3	93.4	93.4	93.4	93.7	93.7	93.7	93.8
GE 900	86.1	88.9	90.5	91.8	92.8	93.7	94.5	94.8	94.8	94.9	94.9	94.9	95.2	95.2	95.2	95.3
GE 800	86.5	89.4	91.0	92.5	93.5	94.7	95.7	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.5
GE 700	86.5	89.7	91.6	93.3	94.5	95.9	97.0	97.4	97.4	97.6	97.7	97.7	98.1	98.1	98.1	98.2
GE 600	86.5	89.9	91.8	93.5	94.8	96.3	97.4	98.0	98.0	98.2	98.4	98.4	98.7	98.7	98.7	98.8
GE 500	86.5	89.9	91.8	93.7	94.9	96.5	97.8	98.4	98.6	98.8	99.0	99.0	99.4	99.4	99.4	99.5
GE 400	86.5	89.9	91.8	93.7	95.2	96.7	98.1	98.6	98.8	99.0	99.4	99.4	99.7	99.7	99.7	99.8
GE 300	86.5	89.9	91.8	93.7	95.2	96.7	98.1	98.6	98.8	99.0	99.4	99.4	99.7	99.7	99.7	99.8
GE 200	86.5	89.9	91.8	93.7	95.2	96.7	98.1	98.6	98.8	99.0	99.6	99.6	99.9	99.9	99.9	100.0
GE 100	86.5	89.9	91.8	93.7	95.2	96.7	98.1	98.6	98.8	99.0	99.6	99.6	99.9	99.9	99.9	100.0
GE 000	86.5	89.9	91.8	93.7	95.2	96.7	98.1	98.6	98.8	99.0	99.6	99.6	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 61 - DEC 90  
LST TO UTC: + 6 MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	51.8	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 20000	59.6	60.5	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	51.1
GE 18000	59.9	60.9	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 16000	59.9	60.9	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 14000	60.3	61.3	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 12000	61.4	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	63.7	64.9	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 9000	64.7	66.0	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 8000	67.3	68.8	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 7000	68.9	70.4	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 6000	70.0	71.6	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 5000	72.2	74.1	74.4	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 4500	72.9	74.8	75.2	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4000	76.0	78.1	78.5	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
GE 3500	77.4	79.5	79.9	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
GE 3000	78.7	80.8	81.3	81.7	82.0	82.2	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.5	82.5	82.5
GE 2500	80.4	82.7	83.3	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.6	84.6	84.6
GE 2000	82.4	84.6	85.4	86.0	86.7	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.1	87.1	87.1
GE 1800	82.8	85.3	86.1	87.0	87.6	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.1	88.1	88.1
GE 1500	84.2	87.1	88.7	89.9	90.9	91.0	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.3	91.3	91.3
GE 1200	84.6	87.8	89.8	91.3	92.5	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	93.0	93.0	93.0
GE 1000	84.7	88.3	90.5	92.0	93.5	94.1	94.1	94.1	94.1	94.3	94.6	94.6	94.6	94.8	94.8	94.8
GE 900	84.8	88.4	90.8	93.0	94.5	95.1	95.1	95.1	95.1	95.3	95.6	95.6	95.6	95.8	95.8	95.8
GE 800	84.9	88.5	90.9	93.2	94.8	95.8	95.9	95.9	96.0	96.2	96.7	96.7	96.7	96.9	96.9	96.9
GE 700	84.9	88.5	91.0	93.4	95.3	96.5	97.0	97.0	97.1	97.4	98.0	98.0	98.0	98.2	98.2	98.2
GE 600	84.9	88.5	91.0	93.4	95.4	96.7	97.5	98.0	98.1	98.4	98.9	98.9	98.9	99.1	99.1	99.1
GE 500	84.9	88.5	91.0	93.4	95.4	96.7	97.5	98.0	98.1	98.4	99.1	99.1	99.2	99.5	99.5	99.5
GE 400	84.9	88.6	91.2	93.7	95.7	97.0	97.8	98.3	98.4	98.7	99.5	99.5	99.6	99.8	99.8	99.8
GE 300	84.9	88.6	91.2	93.7	95.9	97.2	98.1	98.5	98.6	98.9	99.7	99.7	99.8	100.0	100.0	100.0
GE 200	84.9	88.6	91.2	93.7	95.9	97.2	98.1	98.5	98.6	98.9	99.7	99.7	99.8	100.0	100.0	100.0
GE 100	84.9	88.6	91.2	93.7	95.9	97.2	98.1	98.5	98.6	98.9	99.7	99.7	99.8	100.0	100.0	100.0
GE 000	84.9	88.6	91.2	93.7	95.9	97.2	98.1	98.5	98.6	98.9	99.7	99.7	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.2	56.8	57.1	57.3	57.3	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 20000	60.6	61.2	61.7	61.9	61.9	62.0	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 18000	60.8	61.3	61.8	62.0	62.0	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 16000	60.9	61.4	61.9	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	60.9	61.4	61.9	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 12000	61.7	62.3	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	63.7	64.3	64.8	65.1	65.1	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 9000	64.8	65.5	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 8000	67.2	68.0	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 7000	68.4	69.1	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 6000	69.5	70.2	71.1	71.3	71.3	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 5000	71.7	72.5	73.3	73.7	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	72.8	73.5	74.4	74.7	74.7	74.8	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4000	74.3	75.2	76.0	76.5	76.5	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3500	76.2	77.1	78.2	78.6	78.7	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3000	77.8	78.8	80.2	80.8	80.9	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 2500	79.5	80.4	81.9	82.6	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2000	81.4	82.8	84.4	85.3	85.9	86.0	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800	81.5	83.0	84.6	85.5	86.2	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1500	82.5	84.0	86.2	87.2	88.3	88.5	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1200	83.2	84.8	87.4	88.9	90.0	90.2	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	83.9	85.9	89.0	90.9	92.3	92.6	93.4	93.7	93.7	93.8	93.9	93.9	94.1	94.1	94.1	94.1
GE 900	84.1	86.1	89.2	91.3	92.9	93.5	94.5	94.7	94.7	94.8	94.9	94.9	95.2	95.2	95.2	95.2
GE 800	84.6	86.8	89.9	92.2	94.1	95.4	96.8	97.0	97.1	97.2	97.3	97.3	97.5	97.5	97.5	97.5
GE 700	84.7	86.9	90.1	92.5	94.4	95.7	97.1	97.5	97.6	97.7	97.8	97.8	98.1	98.1	98.1	98.1
GE 600	84.7	87.0	90.2	92.6	94.7	96.0	97.5	98.4	98.6	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 500	84.7	87.0	90.2	92.7	94.8	96.1	97.7	98.6	98.8	98.9	99.0	99.0	99.2	99.2	99.2	99.2
GE 400	84.7	87.0	90.2	92.7	94.9	96.3	98.0	98.8	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6
GE 300	84.7	87.0	90.2	92.7	94.9	96.5	98.3	99.1	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 200	84.7	87.0	90.2	92.7	94.9	96.5	98.4	99.2	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	84.7	87.0	90.2	92.7	94.9	96.5	98.4	99.2	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	84.7	87.0	90.2	92.7	94.9	96.5	98.4	99.2	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.5	52.3	52.7	53.1	53.3	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.7	53.7	53.8
GE 20000	57.1	58.0	58.5	59.0	59.3	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.8
GE 18000	57.3	58.2	58.7	59.2	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.9	59.9	60.0
GE 16000	57.3	58.3	58.8	59.3	59.5	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0
GE 14000	57.7	58.7	59.2	59.6	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.4
GE 12000	58.4	59.4	59.9	60.4	60.6	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.2
GE 10000	60.7	61.7	62.2	62.7	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.5	63.5
GE 9000	61.5	62.6	63.0	63.5	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.3	64.3
GE 8000	63.9	65.0	65.6	66.1	66.4	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9
GE 7000	65.3	66.6	67.2	67.7	67.9	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.5
GE 6000	66.2	67.5	68.1	68.7	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.4	69.4
GE 5000	67.5	69.0	69.6	70.3	70.5	70.7	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	71.0	71.0
GE 4500	68.1	69.6	70.3	70.9	71.1	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.7
GE 4000	70.7	72.3	73.1	73.8	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.5	74.6
GE 3500	72.1	73.8	74.6	75.3	75.6	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.2
GE 3000	74.4	76.3	77.2	78.0	78.3	78.5	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.9	79.0
GE 2500	76.1	78.1	79.2	80.1	80.5	80.7	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.1
GE 2000	77.9	80.2	81.5	82.4	83.0	83.2	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.6	83.7
GE 1800	78.5	80.8	82.2	83.2	83.8	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.5
GE 1500	80.2	82.7	84.5	85.6	86.5	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.4	87.4
GE 1200	81.2	84.0	86.1	87.6	88.7	89.1	89.5	89.6	89.7	89.7	89.8	89.8	89.8	89.9	89.9	90.0
GE 1000	81.6	84.8	87.5	89.2	90.7	91.2	91.9	92.0	92.1	92.2	92.3	92.3	92.4	92.5	92.6	92.6
GE 900	81.8	85.1	88.0	90.0	91.6	92.3	93.0	93.3	93.4	93.5	93.6	93.6	93.8	93.8	93.9	93.9
GE 800	82.0	85.5	88.4	90.5	92.5	93.5	94.4	94.7	94.9	95.0	95.1	95.1	95.3	95.3	95.4	95.4
GE 700	82.2	85.7	88.8	91.2	93.5	94.7	95.8	96.2	96.3	96.5	96.7	96.7	96.8	96.9	96.9	97.0
GE 600	82.2	85.9	89.1	91.5	93.9	95.3	96.5	97.0	97.2	97.3	97.5	97.5	97.7	97.7	97.8	97.9
GE 500	82.3	85.9	89.1	91.7	94.3	95.7	97.0	97.6	97.8	98.0	98.3	98.3	98.5	98.5	98.6	98.7
GE 400	82.3	86.0	89.3	91.9	94.7	96.2	97.6	98.3	98.5	98.8	99.0	99.1	99.2	99.3	99.4	99.4
GE 300	82.4	86.0	89.3	91.9	94.7	96.2	97.7	98.4	98.7	99.0	99.3	99.3	99.5	99.6	99.7	99.7
GE 200	82.4	86.0	89.3	91.9	94.7	96.2	97.7	98.4	98.7	99.0	99.4	99.5	99.7	99.8	99.9	100.0
GE 100	82.4	86.0	89.3	91.9	94.7	96.2	97.7	98.4	98.7	99.0	99.4	99.5	99.7	99.8	99.9	100.0
GE 000	82.4	86.0	89.3	91.9	94.7	96.2	97.7	98.4	98.7	99.0	99.4	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.9	62.4	62.8	63.0	63.4	63.4	63.4	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 20000	66.8	68.3	68.7	68.9	69.3	69.3	69.3	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 18000	66.8	68.3	68.7	68.9	69.3	69.3	69.3	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 16000	66.8	68.3	68.7	68.9	69.3	69.3	69.3	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 14000	67.0	68.6	68.9	69.1	69.6	69.6	69.6	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 12000	67.4	69.0	69.3	69.6	70.0	70.0	70.0	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 10000	69.2	70.8	71.1	71.3	71.8	71.8	71.8	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 9000	69.8	71.3	71.7	71.9	72.3	72.3	72.3	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 8000	72.9	74.4	74.8	75.0	75.4	75.4	75.4	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 7000	74.6	76.1	76.4	76.7	77.1	77.1	77.1	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	75.2	76.8	77.1	77.3	77.8	77.8	77.8	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 5000	76.2	77.8	78.1	78.3	78.8	78.8	78.8	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 4500	76.3	77.9	78.2	78.4	78.9	78.9	78.9	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4000	79.8	81.4	82.1	82.3	82.9	82.9	82.9	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3500	81.1	82.8	83.4	83.7	84.2	84.2	84.2	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3000	84.3	86.1	87.0	87.7	88.4	88.4	88.4	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2500	84.9	86.7	87.8	88.6	89.3	89.4	89.4	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2000	86.1	88.0	89.3	90.1	91.0	91.1	91.2	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1800	86.7	88.6	89.9	90.7	91.7	91.8	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	87.8	89.7	91.2	92.0	93.0	93.1	93.2	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	88.7	90.7	92.3	93.1	94.2	94.3	94.4	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1000	89.1	91.7	93.6	94.4	95.9	96.0	96.1	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	89.4	92.0	93.9	94.8	96.2	96.3	96.4	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	90.1	92.8	94.9	95.9	97.4	97.6	97.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	90.2	92.9	95.0	96.0	97.8	97.9	98.2	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	90.3	93.1	95.2	96.2	98.2	98.3	98.7	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	90.3	93.1	95.2	96.2	98.2	98.3	98.7	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	90.3	93.1	95.2	96.2	98.3	98.4	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.3	93.1	95.2	96.2	98.3	98.4	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.3	93.1	95.2	96.2	98.3	98.4	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.3	93.1	95.2	96.2	98.3	98.4	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.3	93.1	95.2	96.2	98.3	98.4	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.7	58.1	58.8	59.0	59.6	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.2	60.3	60.3
GE 20000	62.6	64.0	64.7	64.9	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2	66.3	66.3
GE 18000	62.6	64.0	64.7	64.9	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2	66.3	66.3
GE 16000	62.6	64.0	64.7	64.9	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.2	66.3	66.3
GE 14000	62.7	64.1	64.8	65.0	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3	66.4	66.4
GE 12000	63.3	64.8	65.4	65.7	66.3	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.1	67.1
GE 10000	66.0	67.4	68.1	68.3	69.0	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.7	69.8	69.8
GE 9000	66.3	67.8	68.4	68.7	69.3	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.1	70.1
GE 8000	69.9	71.3	72.1	72.3	73.0	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.8	73.9	73.9
GE 7000	71.0	72.4	73.2	73.4	74.1	74.2	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.9	75.0	75.0
GE 6000	72.0	73.6	74.3	74.6	75.2	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.7	76.0	76.1	76.1
GE 5000	73.6	75.2	76.0	76.2	76.9	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.7	77.8	77.8
GE 4500	74.1	75.8	76.6	76.8	77.4	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.2	78.3	78.3
GE 4000	77.8	79.6	80.4	80.7	81.3	81.4	81.7	81.7	81.8	81.8	81.8	81.8	81.8	82.1	82.2	82.2
GE 3500	78.8	80.6	81.4	81.7	82.4	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.2	83.3	83.3
GE 3000	81.6	83.6	85.0	85.3	86.2	86.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	87.0	87.1	87.1
GE 2500	82.8	84.8	86.2	86.6	87.6	87.7	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.4	88.6	88.6
GE 2000	84.2	86.2	88.1	88.4	89.7	89.9	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.8	90.9	90.9
GE 1800	85.0	87.0	88.9	89.2	90.4	90.7	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.6	91.7	91.7
GE 1500	85.9	88.1	90.1	90.4	91.7	92.0	92.4	92.6	92.7	92.7	92.7	92.7	92.7	93.0	93.1	93.1
GE 1200	86.8	89.3	91.3	91.8	93.0	93.3	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.6	94.7	94.7
GE 1000	87.7	90.3	92.8	93.3	94.7	95.0	95.7	95.8	95.9	95.9	95.9	95.9	95.9	96.2	96.3	96.3
GE 900	87.8	90.4	92.9	93.4	94.8	95.1	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.6	96.7	96.7
GE 800	87.9	90.6	93.1	93.7	95.0	95.3	96.3	96.6	96.8	96.8	96.8	96.8	96.8	97.1	97.2	97.2
GE 700	87.9	90.7	93.3	94.0	95.4	95.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.8	97.9	97.9
GE 600	88.0	91.0	93.7	94.3	95.8	96.1	97.2	97.8	98.1	98.1	98.2	98.2	98.2	98.6	98.7	98.7
GE 500	88.0	91.0	93.7	94.3	95.9	96.2	97.3	98.0	98.4	98.4	98.6	98.6	98.6	98.9	99.0	99.0
GE 400	88.1	91.1	93.8	94.6	96.1	96.6	97.9	98.6	99.0	99.0	99.1	99.2	99.2	99.6	99.7	99.7
GE 300	88.1	91.1	93.8	94.8	96.3	96.8	98.1	98.8	99.2	99.2	99.3	99.6	99.6	99.9	100.0	100.0
GE 200	88.1	91.1	93.8	94.8	96.3	96.8	98.1	98.8	99.2	99.2	99.3	99.6	99.6	99.9	100.0	100.0
GE 100	88.1	91.1	93.8	94.8	96.3	96.8	98.1	98.8	99.2	99.2	99.3	99.6	99.6	99.9	100.0	100.0
GE 000	88.1	91.1	93.8	94.8	96.3	96.8	98.1	98.8	99.2	99.2	99.3	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.9	52.0	52.3	53.2	53.9	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.3	54.7	54.7	54.9
GE 20000	55.3	58.1	58.4	59.4	60.2	60.3	60.4	60.4	60.4	60.6	60.6	60.6	60.7	61.0	61.0	61.2
GE 18000	55.3	58.1	58.4	59.4	60.2	60.3	60.4	60.4	60.4	60.6	60.6	60.6	60.7	61.0	61.0	61.2
GE 16000	55.4	58.2	58.6	59.6	60.3	60.4	60.6	60.6	60.6	60.7	60.7	60.7	60.8	61.1	61.1	61.3
GE 14000	55.6	58.3	58.7	59.7	60.4	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.9	61.2	61.2	61.4
GE 12000	55.9	58.9	59.3	60.3	61.2	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.8	62.1	62.1	62.3
GE 10000	59.3	62.3	62.8	63.9	64.8	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.3	65.7	65.7	65.9
GE 9000	60.6	63.6	64.0	65.1	66.0	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.6	66.9	66.9	67.1
GE 8000	64.6	67.6	68.0	69.1	70.0	70.2	70.3	70.3	70.3	70.6	70.6	70.6	70.7	71.0	71.0	71.2
GE 7000	67.0	70.1	70.6	71.7	72.6	72.8	72.9	72.9	72.9	73.1	73.1	73.1	73.2	73.6	73.6	73.8
GE 6000	67.1	70.2	70.7	71.8	73.0	73.2	73.3	73.3	73.3	73.6	73.6	73.6	73.7	74.0	74.0	74.2
GE 5000	68.9	72.0	72.4	73.6	74.8	75.0	75.1	75.1	75.1	75.3	75.3	75.3	75.4	75.8	75.8	76.0
GE 4500	69.3	72.4	72.9	74.0	75.2	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.9	76.2	76.2	76.4
GE 4000	70.3	73.6	74.0	75.1	76.3	76.6	76.7	76.7	76.7	76.9	76.9	76.9	77.0	77.3	77.3	77.6
GE 3500	71.0	74.3	74.9	76.1	77.3	77.6	77.7	77.7	77.7	77.9	77.9	77.9	78.0	78.3	78.3	78.6
GE 3000	73.0	76.8	77.7	78.9	80.4	80.7	80.8	80.8	80.8	81.0	81.0	81.0	81.1	81.4	81.4	81.7
GE 2500	74.9	78.7	79.9	81.2	82.9	83.2	83.4	83.4	83.4	83.7	83.7	83.7	83.8	84.1	84.1	84.3
GE 2000	76.6	80.8	82.0	83.6	85.4	85.8	86.0	86.0	86.0	86.2	86.2	86.2	86.3	86.7	86.7	86.9
GE 1800	77.2	81.8	83.0	84.7	86.6	86.9	87.1	87.1	87.1	87.3	87.3	87.3	87.4	87.8	87.8	88.0
GE 1500	78.8	83.7	85.3	87.3	89.4	89.9	90.1	90.1	90.1	90.3	90.3	90.3	90.4	90.8	90.8	91.0
GE 1200	79.7	84.6	86.8	88.9	91.0	91.4	91.7	91.7	91.7	91.9	91.9	91.9	92.0	92.3	92.3	92.6
GE 1000	80.2	85.7	87.9	90.0	92.2	92.7	93.0	93.0	93.0	93.2	93.2	93.2	93.3	93.7	93.7	93.9
GE 900	80.2	85.8	88.2	90.4	93.2	93.7	94.3	94.3	94.4	94.7	94.7	94.7	94.8	95.1	95.1	95.3
GE 800	80.3	86.1	88.8	91.2	94.0	94.4	95.1	95.1	95.2	95.4	95.4	95.4	95.6	95.9	95.9	96.1
GE 700	80.3	86.2	89.0	91.6	94.3	95.0	95.7	95.7	95.8	96.1	96.1	96.1	96.2	96.6	96.6	96.8
GE 600	80.3	86.2	89.2	92.0	94.9	95.6	96.7	96.8	96.9	97.2	97.2	97.2	97.3	97.7	97.7	97.9
GE 500	80.3	86.2	89.3	92.3	95.4	96.2	97.4	97.7	97.8	98.2	98.2	98.2	98.3	98.7	98.7	98.9
GE 400	80.4	86.3	89.4	92.4	95.6	96.6	97.8	98.0	98.1	98.6	98.7	98.7	98.8	99.1	99.1	99.3
GE 300	80.4	86.3	89.4	92.4	95.6	96.6	97.8	98.2	98.3	98.8	98.9	99.0	99.1	99.4	99.4	99.7
GE 200	80.4	86.3	89.4	92.4	95.6	96.6	97.8	98.2	98.3	98.8	98.9	99.0	99.1	99.4	99.6	99.9
GE 100	80.4	86.3	89.4	92.4	95.6	96.6	97.8	98.2	98.3	98.8	98.9	99.0	99.1	99.4	99.6	99.9
GE 000	80.4	86.3	89.4	92.4	95.6	96.6	97.8	98.2	98.3	98.8	98.9	99.0	99.1	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.4	55.3	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 20000	61.0	61.9	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 18000	61.1	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 16000	61.1	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 14000	61.2	62.1	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 12000	61.2	62.4	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 10000	63.9	65.1	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 9000	64.3	65.6	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 8000	69.4	70.7	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	71.7	73.1	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 6000	71.8	73.3	73.4	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 5000	72.4	74.3	74.4	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 4500	72.4	74.3	74.4	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 4000	73.9	76.0	76.2	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3500	74.6	77.0	77.2	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3000	78.0	80.9	81.4	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 2500	79.9	83.0	83.6	84.0	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2000	81.6	85.1	85.9	86.3	86.7	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1800	82.6	86.1	86.9	87.4	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1500	85.4	89.3	90.1	90.7	91.3	91.3	91.4	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1200	86.0	90.1	91.4	92.1	92.9	92.9	93.0	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1000	86.4	90.6	92.0	93.3	94.3	94.3	94.6	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 900	86.8	91.1	92.7	94.1	95.1	95.1	95.3	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	87.0	91.7	93.4	95.3	96.4	96.6	96.9	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 700	87.1	92.2	94.4	96.4	97.6	97.7	98.1	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	87.1	92.2	94.4	96.4	97.6	97.7	98.3	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	87.1	92.2	94.4	96.6	97.8	97.9	98.7	99.1	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	87.1	92.2	94.4	96.6	97.8	98.1	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	87.1	92.2	94.4	96.6	97.8	98.1	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	87.1	92.2	94.4	96.6	97.8	98.1	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	87.1	92.2	94.4	96.6	97.8	98.1	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	87.1	92.2	94.4	96.6	97.8	98.1	98.9	99.3	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 20000	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 12000	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 10000	62.3	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 9000	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 8000	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 7000	69.3	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	69.8	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 5000	71.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 4500	71.6	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	73.7	74.8	74.8	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3500	75.8	77.1	77.1	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	80.2	81.8	82.3	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2500	83.7	85.4	86.0	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2000	86.1	88.0	88.7	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1800	87.2	89.2	89.9	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1500	89.0	91.1	91.8	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	91.2	93.6	94.7	95.7	95.9	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	91.3	93.8	95.0	96.1	96.4	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	91.7	94.2	95.4	96.6	97.0	97.3	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	91.7	94.4	95.9	97.2	97.8	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	91.9	94.7	96.1	97.6	98.2	98.8	99.2	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	91.9	94.7	96.1	97.7	98.4	99.0	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 500	91.9	94.7	96.1	97.7	98.4	99.0	99.4	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	91.9	94.7	96.1	97.7	98.4	99.0	99.4	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	91.9	94.7	96.1	97.7	98.4	99.0	99.4	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	91.9	94.7	96.1	97.7	98.4	99.0	99.4	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	91.9	94.7	96.1	97.7	98.4	99.0	99.4	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	91.9	94.7	96.1	97.7	98.4	99.0	99.4	99.6	99.6	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 20000	61.4	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 18000	61.6	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 16000	61.6	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 14000	61.6	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 12000	62.0	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 10000	65.2	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 9000	65.4	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	69.2	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 7000	70.6	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 6000	71.7	73.4	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 5000	74.6	76.3	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 4500	74.7	76.4	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 4000	77.0	78.8	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3500	79.2	81.1	81.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 3000	82.3	84.9	85.1	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2500	84.8	87.3	87.7	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2000	86.8	89.8	90.3	90.4	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1800	87.9	90.9	91.6	91.8	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	89.2	92.4	93.1	93.6	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1200	90.2	93.6	94.4	95.2	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	90.4	94.0	95.1	96.1	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	90.9	94.4	95.6	96.6	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	90.9	94.6	95.7	96.7	97.9	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	90.9	94.6	95.7	97.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	90.9	94.6	95.7	97.1	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	90.9	94.6	95.7	97.1	98.6	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.9	94.6	95.7	97.1	98.6	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.9	94.6	95.7	97.1	98.6	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.9	94.6	95.7	97.1	98.6	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.9	94.6	95.7	97.1	98.6	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.9	94.6	95.7	97.1	98.6	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.6	59.6	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 20000	65.3	66.3	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 18000	65.6	66.6	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 16000	65.6	66.6	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 14000	65.7	66.7	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 12000	66.2	67.2	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 10000	68.9	70.1	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 9000	69.1	70.3	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 8000	72.7	74.0	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 7000	74.4	76.1	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 6000	75.0	76.9	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 5000	76.2	78.1	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4500	76.6	78.4	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	78.8	80.8	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3500	80.2	82.2	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3000	83.2	85.7	87.0	87.6	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 2500	84.7	87.1	88.6	89.1	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	86.9	89.4	91.4	92.2	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1800	87.1	89.7	92.0	92.8	93.4	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	88.6	91.4	94.1	95.0	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 1200	88.8	91.7	94.6	95.6	96.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9
GE 1000	88.8	91.7	94.6	95.9	96.7	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
GE 900	88.9	91.8	94.8	96.1	97.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 800	88.9	91.9	95.0	96.3	97.7	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 700	88.9	91.9	95.1	96.6	97.9	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8
GE 600	89.0	92.0	95.2	96.7	98.1	98.7	98.8	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6
GE 500	89.0	92.0	95.2	96.7	98.1	98.7	98.8	99.3	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	89.0	92.0	95.2	96.7	98.1	98.7	98.8	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	89.0	92.0	95.2	96.7	98.1	98.7	98.8	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	89.0	92.0	95.2	96.7	98.1	98.7	98.8	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	89.0	92.0	95.2	96.7	98.1	98.7	98.8	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	89.0	92.0	95.2	96.7	98.1	98.7	98.8	99.6	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.4	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 20000	66.7	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	66.7	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	66.7	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	66.7	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	67.2	68.4	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 10000	70.2	71.7	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
GE 9000	70.2	71.7	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
GE 8000	73.2	74.8	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3
GE 7000	74.4	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8
GE 6000	75.1	76.9	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4
GE 5000	76.4	78.2	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
GE 4500	77.0	78.8	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3
GE 4000	80.0	81.8	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8
GE 3500	82.1	83.9	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9
GE 3000	85.1	86.9	87.7	87.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 2500	86.3	88.1	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8
GE 2000	87.2	89.1	90.6	90.9	91.2	91.2	91.2	91.2	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6
GE 1800	87.9	89.8	91.3	91.7	92.0	92.0	92.0	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 1500	89.8	91.8	93.7	94.0	94.3	94.3	94.3	94.3	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7
GE 1200	90.2	92.2	94.1	94.8	95.1	95.1	95.1	95.1	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 1000	90.4	92.9	94.9	95.8	96.2	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.6	96.6	96.6	96.6
GE 900	90.6	93.0	95.0	96.0	96.6	96.6	96.7	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
GE 800	90.7	93.2	95.2	96.4	97.2	97.2	97.3	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 700	90.8	93.3	95.3	96.6	97.7	97.7	98.1	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 600	91.1	93.7	95.8	97.1	98.4	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4
GE 500	91.1	93.7	95.8	97.1	98.4	98.4	99.3	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 400	91.1	93.7	95.8	97.1	98.4	98.6	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	91.1	93.7	95.8	97.1	98.4	98.6	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	91.1	93.7	95.8	97.1	98.4	98.6	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	91.1	93.7	95.8	97.1	98.4	98.6	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	91.1	93.7	95.8	97.1	98.4	98.6	99.4	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.8	57.0	57.3	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	58.0
GE 20000	62.3	63.7	64.0	64.2	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.8
GE 18000	62.4	63.8	64.1	64.3	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8
GE 16000	62.5	63.8	64.1	64.3	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.9
GE 14000	62.5	63.9	64.2	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9
GE 12000	63.0	64.4	64.7	64.9	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.5	65.5	65.5
GE 10000	65.6	67.1	67.5	67.7	68.0	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3	68.3
GE 9000	66.0	67.5	67.9	68.1	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.7	68.7
GE 8000	69.8	71.4	71.7	71.9	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.6	72.6
GE 7000	71.6	73.3	73.7	73.9	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.6
GE 6000	72.2	74.0	74.3	74.6	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.3	75.3
GE 5000	73.7	75.5	75.9	76.2	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9
GE 4500	74.0	75.8	76.2	76.5	76.9	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2
GE 4000	76.4	78.3	78.8	79.2	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.9	79.9	80.0
GE 3500	77.8	79.9	80.4	80.8	81.2	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.5	81.6
GE 3000	81.0	83.3	84.2	84.6	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.6
GE 2500	82.7	85.1	86.1	86.6	87.3	87.3	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7
GE 2000	84.4	87.1	88.3	88.9	89.7	89.8	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.2
GE 1800	85.2	87.9	89.2	89.8	90.6	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.2	91.2	91.2
GE 1500	86.8	89.7	91.2	91.9	92.8	93.0	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.4	93.4	93.5
GE 1200	87.7	90.7	92.5	93.4	94.3	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.0	95.1
GE 1000	88.1	91.3	93.2	94.4	95.4	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.3	96.3	96.3
GE 900	88.3	91.6	93.6	94.8	96.0	96.2	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	97.0
GE 800	88.4	91.9	94.0	95.3	96.7	97.0	97.3	97.5	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.9
GE 700	88.5	92.1	94.3	95.7	97.2	97.5	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.6
GE 600	88.6	92.2	94.4	95.9	97.5	97.9	98.4	98.8	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2
GE 500	88.6	92.2	94.4	96.0	97.6	98.0	98.7	99.0	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6
GE 400	88.6	92.2	94.5	96.0	97.7	98.1	98.8	99.3	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.9
GE 300	88.6	92.2	94.5	96.1	97.7	98.2	98.9	99.3	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9
GE 200	88.6	92.2	94.5	96.1	97.7	98.2	98.9	99.3	99.5	99.6	99.7	99.8	99.8	99.9	99.9	100.0
GE 100	88.6	92.2	94.5	96.1	97.7	98.2	98.9	99.3	99.5	99.6	99.7	99.8	99.8	99.9	99.9	100.0
GE 000	88.6	92.2	94.5	96.1	97.7	98.2	98.9	99.3	99.5	99.6	99.7	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.5	59.0	60.1	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.3	61.6	61.7
GE 20000	63.9	65.8	66.9	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.1	68.4	68.5
GE 18000	64.0	65.9	67.0	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1	68.2	68.5	68.6
GE 16000	64.0	65.9	67.0	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1	68.2	68.5	68.6
GE 14000	64.0	65.9	67.0	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.1	68.2	68.5	68.6
GE 12000	64.6	66.6	67.6	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.8	69.1	69.2
GE 10000	67.5	69.6	70.6	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7	71.8	72.2	72.3
GE 9000	68.3	70.5	71.6	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.8	73.1	73.2
GE 8000	70.8	73.0	74.1	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.2	75.3	75.6	75.7
GE 7000	72.6	74.9	76.0	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.2	77.5	77.6
GE 6000	73.3	75.7	76.8	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.8	78.0	78.3	78.4
GE 5000	73.9	76.2	77.3	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.5	78.6	78.9	79.0
GE 4500	74.7	77.2	78.4	79.0	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.6	79.7	80.0	80.1
GE 4000	77.4	80.3	81.5	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.7	82.8	83.1	83.2
GE 3500	79.4	82.6	84.1	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.4	85.5	85.8	85.9
GE 3000	81.6	85.2	87.6	88.4	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	89.1	89.2	89.6	89.7
GE 2500	81.8	86.1	88.8	89.6	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.8	91.1	91.2
GE 2000	82.7	87.1	89.8	90.6	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.9	92.0	92.4	92.5
GE 1800	83.2	87.6	90.3	91.2	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.6	92.9	93.0
GE 1500	84.1	88.7	91.8	92.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.2	94.5	94.6
GE 1200	85.2	89.8	93.4	94.4	95.6	95.6	95.8	95.9	95.9	96.0	96.0	96.0	96.2	96.3	96.7	96.8
GE 1000	85.6	90.2	94.1	95.2	96.5	96.5	96.7	96.8	96.8	96.9	96.9	96.9	97.1	97.2	97.5	97.6
GE 900	85.7	90.5	94.4	95.6	96.9	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.5	97.6	98.0	98.1
GE 800	85.8	90.8	94.6	96.0	97.3	97.3	97.5	97.6	97.6	97.7	97.7	97.7	98.0	98.1	98.4	98.5
GE 700	85.8	90.8	94.7	96.1	97.6	97.6	98.0	98.1	98.1	98.2	98.2	98.2	98.4	98.5	98.8	98.9
GE 600	85.8	90.8	94.7	96.2	98.4	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.2	99.4	99.7	99.8
GE 500	85.9	90.9	94.8	96.3	98.5	98.5	98.8	98.9	98.9	99.1	99.1	99.1	99.4	99.5	99.8	99.9
GE 400	85.9	90.9	94.8	96.3	98.5	98.5	98.8	98.9	98.9	99.1	99.1	99.1	99.4	99.5	99.8	99.9
GE 300	85.9	90.9	94.8	96.3	98.5	98.5	98.8	98.9	98.9	99.1	99.1	99.1	99.4	99.5	99.8	99.9
GE 200	85.9	90.9	94.8	96.3	98.5	98.5	98.8	98.9	98.9	99.1	99.1	99.1	99.4	99.5	99.8	99.9
GE 100	85.9	90.9	94.8	96.3	98.5	98.5	98.8	98.9	98.9	99.1	99.1	99.1	99.4	99.5	99.8	100.0
GE 000	85.9	90.9	94.8	96.3	98.5	98.5	98.8	98.9	98.9	99.1	99.1	99.1	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.3	51.0	53.5	54.1	54.9	55.2	55.5	55.5	55.6	55.9	56.0	56.0	56.5	56.5	56.7	56.8
GE 20000	55.4	58.3	61.1	61.6	62.5	62.7	63.0	63.0	63.1	63.5	63.7	63.7	64.1	64.1	64.3	64.4
GE 18000	55.5	58.4	61.2	61.7	62.6	62.8	63.1	63.1	63.2	63.7	63.8	63.8	64.2	64.2	64.4	64.5
GE 16000	55.5	58.4	61.2	61.7	62.6	62.8	63.1	63.1	63.2	63.7	63.8	63.8	64.2	64.2	64.4	64.5
GE 14000	55.5	58.4	61.2	61.7	62.6	62.8	63.1	63.1	63.2	63.7	63.8	63.8	64.2	64.2	64.4	64.5
GE 12000	56.2	59.1	61.9	62.5	63.3	63.5	63.9	63.9	64.0	64.4	64.5	64.5	64.9	64.9	65.2	65.3
GE 10000	59.4	62.3	65.2	65.8	66.7	66.9	67.2	67.2	67.3	67.7	67.8	67.8	68.3	68.3	68.5	68.6
GE 9000	59.8	62.7	65.6	66.2	67.1	67.3	67.6	67.6	67.7	68.2	68.3	68.3	68.7	68.7	68.9	69.0
GE 8000	62.2	65.4	68.4	69.0	69.9	70.1	70.4	70.4	70.5	71.0	71.1	71.1	71.5	71.5	71.7	71.8
GE 7000	64.1	67.4	70.5	71.2	72.0	72.3	72.6	72.6	72.7	73.1	73.2	73.2	73.7	73.7	73.9	74.0
GE 6000	64.6	68.0	71.1	71.7	72.6	72.8	73.1	73.1	73.2	73.7	73.8	73.8	74.2	74.2	74.4	74.5
GE 5000	66.0	69.6	72.7	73.4	74.4	74.6	74.9	74.9	75.1	75.5	75.6	75.6	76.0	76.0	76.2	76.3
GE 4500	66.7	70.2	73.3	74.1	75.1	75.3	75.6	75.6	75.7	76.1	76.2	76.2	76.7	76.7	76.9	77.0
GE 4000	69.1	73.2	76.8	77.7	78.8	79.0	79.4	79.4	79.5	79.9	80.0	80.0	80.4	80.4	80.6	80.8
GE 3500	71.1	75.4	78.9	79.9	81.2	81.4	81.7	81.7	81.8	82.3	82.4	82.4	82.8	82.8	83.0	83.1
GE 3000	73.7	78.0	81.8	82.8	84.5	84.7	85.2	85.2	85.3	85.7	85.8	85.8	86.2	86.2	86.5	86.6
GE 2500	75.1	79.6	83.4	84.5	86.2	86.5	86.9	86.9	87.0	87.4	87.5	87.5	88.0	88.0	88.2	88.3
GE 2000	75.9	80.4	84.7	85.8	87.6	87.8	88.3	88.3	88.4	88.8	88.9	88.9	89.4	89.4	89.6	89.7
GE 1800	76.5	81.3	85.6	86.8	88.6	88.8	89.4	89.4	89.5	89.9	90.0	90.0	90.4	90.4	90.6	90.8
GE 1500	77.8	82.9	87.5	88.9	90.8	91.0	91.5	91.5	91.7	92.2	92.3	92.3	92.7	92.7	92.9	93.0
GE 1200	78.6	84.0	88.8	90.3	92.4	92.6	93.3	93.3	93.5	94.0	94.1	94.1	94.5	94.5	94.7	94.8
GE 1000	79.4	85.3	90.3	92.2	94.5	94.7	95.5	95.5	95.7	96.1	96.3	96.3	96.8	96.8	97.0	97.1
GE 900	79.5	85.5	90.6	92.7	95.1	95.3	96.0	96.0	96.2	96.7	96.9	96.9	97.3	97.3	97.5	97.6
GE 800	79.7	85.9	91.1	93.1	95.5	95.8	96.6	96.7	97.0	97.4	97.6	97.6	98.1	98.1	98.3	98.4
GE 700	79.8	86.0	91.4	93.5	95.9	96.2	97.0	97.1	97.4	97.8	98.1	98.1	98.5	98.5	98.7	98.8
GE 600	79.8	86.2	91.7	93.9	96.3	96.7	97.4	97.5	97.8	98.3	98.5	98.5	98.9	98.9	99.1	99.2
GE 500	79.8	86.2	91.8	94.2	96.7	97.0	97.7	97.8	98.2	98.6	98.8	98.8	99.2	99.2	99.5	99.6
GE 400	79.8	86.2	91.8	94.2	96.7	97.0	97.8	98.0	98.3	98.7	98.9	98.9	99.4	99.4	99.6	99.7
GE 300	79.8	86.2	91.8	94.2	96.7	97.0	97.8	98.0	98.3	98.7	98.9	98.9	99.4	99.4	99.6	99.7
GE 200	79.8	86.2	91.8	94.2	96.7	97.0	97.8	98.0	98.3	98.7	98.9	98.9	99.4	99.4	99.6	99.7
GE 100	79.8	86.2	91.8	94.2	96.7	97.0	97.8	98.0	98.3	98.7	98.9	98.9	99.4	99.4	99.6	100.0
GE 000	79.8	86.2	91.8	94.2	96.7	97.0	97.8	98.0	98.3	98.7	98.9	98.9	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETC ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.6	41.8	43.9	44.3	44.8	44.9	45.3	45.4	45.4	45.6	45.6	45.6	46.1	46.1	46.2	46.7
GE 20000	43.8	48.5	50.8	51.2	51.9	52.0	52.4	52.5	52.5	52.8	52.8	52.8	53.3	53.3	53.4	53.9
GE 18000	43.8	48.5	50.8	51.2	51.9	52.0	52.4	52.5	52.5	52.8	52.8	52.8	53.3	53.3	53.4	53.9
GE 16000	43.8	48.5	50.8	51.2	51.9	52.0	52.4	52.5	52.5	52.8	52.8	52.8	53.3	53.3	53.4	53.9
GE 14000	44.1	48.8	51.1	51.5	52.3	52.4	52.7	52.8	52.8	53.1	53.1	53.1	53.7	53.7	53.8	54.2
GE 12000	45.5	50.2	52.5	52.9	53.7	53.8	54.1	54.2	54.2	54.5	54.5	54.5	55.1	55.1	55.2	55.6
GE 10000	49.7	54.7	57.1	57.7	58.7	58.8	59.1	59.2	59.2	59.6	59.6	59.6	60.1	60.1	60.2	60.6
GE 9000	50.1	55.4	57.7	58.4	59.4	59.5	59.8	59.9	59.9	60.2	60.2	60.2	60.8	60.8	60.9	61.3
GE 8000	53.8	59.6	62.4	63.2	64.2	64.3	64.6	64.7	64.7	65.2	65.2	65.2	65.7	65.7	65.8	66.2
GE 7000	56.6	62.5	65.4	66.2	67.3	67.4	67.7	67.8	67.8	68.3	68.3	68.3	68.8	68.8	68.9	69.4
GE 6000	57.1	63.2	66.1	67.0	68.1	68.2	68.5	68.6	68.6	69.0	69.0	69.0	69.6	69.6	69.7	70.1
GE 5000	58.7	65.1	68.1	68.9	70.5	70.6	71.0	71.1	71.1	71.5	71.5	71.5	72.0	72.0	72.2	72.6
GE 4500	59.1	65.7	68.8	69.9	71.5	71.6	71.9	72.0	72.0	72.5	72.5	72.5	73.0	73.0	73.1	73.5
GE 4000	61.7	68.3	71.5	72.7	74.5	74.6	74.9	75.1	75.1	75.5	75.5	75.5	76.0	76.0	76.1	76.6
GE 3500	62.8	69.6	72.9	74.4	76.3	76.5	76.8	76.9	76.9	77.3	77.3	77.3	77.8	77.8	78.0	78.4
GE 3000	66.6	73.4	77.3	78.9	81.0	81.1	81.5	81.6	81.6	82.0	82.0	82.0	82.6	82.6	82.7	83.1
GE 2500	67.4	74.4	78.6	80.2	82.4	82.5	82.9	83.0	83.0	83.4	83.4	83.4	84.0	84.0	84.1	84.5
GE 2000	68.4	75.8	80.1	81.8	84.1	84.3	84.8	85.1	85.1	85.5	85.5	85.5	86.0	86.0	86.1	86.6
GE 1800	68.7	76.2	80.8	82.5	84.7	84.9	85.5	85.7	85.7	86.1	86.1	86.1	86.7	86.7	86.8	87.2
GE 1500	70.0	78.3	82.8	84.8	87.2	87.4	88.1	88.4	88.4	88.8	88.8	88.8	89.4	89.4	89.5	89.9
GE 1200	71.2	80.2	85.2	87.4	89.9	90.1	90.9	91.2	91.2	91.6	91.6	91.6	92.2	92.2	92.3	92.7
GE 1000	72.6	82.2	87.3	89.7	92.4	92.6	93.5	94.0	94.0	94.4	94.4	94.4	94.9	94.9	95.1	95.5
GE 900	72.6	82.3	87.8	90.3	93.0	93.2	94.3	94.8	94.8	95.4	95.4	95.4	95.9	95.9	96.0	96.5
GE 800	72.7	82.6	88.2	90.8	93.7	94.0	95.2	95.7	95.8	96.6	96.6	96.6	97.2	97.2	97.3	97.7
GE 700	72.8	82.8	88.5	91.2	94.2	94.5	95.7	96.2	96.3	97.1	97.1	97.1	97.7	97.7	97.8	98.3
GE 600	72.8	82.8	88.6	91.5	94.5	94.8	96.0	96.7	96.8	97.6	97.6	97.6	98.3	98.3	98.4	98.8
GE 500	72.8	82.8	88.6	91.5	94.6	94.9	96.1	96.8	96.9	97.8	97.8	97.8	98.5	98.5	98.6	99.0
GE 400	72.9	82.9	88.7	91.6	94.7	95.1	96.2	96.9	97.0	98.1	98.1	98.1	98.7	98.7	98.8	99.2
GE 300	73.0	83.0	88.8	91.7	94.8	95.2	96.3	97.2	97.3	98.4	98.4	98.4	99.0	99.0	99.1	99.6
GE 200	73.0	83.0	88.8	91.7	94.8	95.2	96.3	97.2	97.3	98.4	98.4	98.4	99.1	99.1	99.4	99.8
GE 100	73.0	83.0	88.8	91.7	94.8	95.2	96.3	97.2	97.3	98.4	98.4	98.4	99.1	99.1	99.5	100.0
GE 000	73.0	83.0	88.8	91.7	94.8	95.2	96.3	97.2	97.3	98.4	98.4	98.4	99.1	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 20000	52.9	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 18000	53.0	54.8	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	53.0	54.8	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	53.5	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 12000	54.3	56.1	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 10000	57.8	59.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 9000	58.3	60.1	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 8000	62.6	64.7	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 7000	65.2	67.3	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 6000	65.5	67.6	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 5000	67.1	69.5	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4500	67.4	69.9	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4000	69.0	71.5	72.7	73.2	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3500	70.4	73.0	74.2	74.7	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3000	75.1	77.6	79.7	80.6	80.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 2500	76.5	79.6	81.6	83.0	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	78.6	81.9	84.1	85.7	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1800	80.3	83.8	85.9	87.6	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5
GE 1500	82.3	85.8	88.3	90.2	91.3	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 1200	83.9	87.6	90.5	92.7	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 1000	84.9	89.0	92.3	94.7	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 900	85.1	89.2	92.6	95.3	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
GE 800	85.5	89.8	93.1	95.9	97.6	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
GE 700	85.8	90.1	93.4	96.2	98.4	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 600	85.8	90.1	93.5	96.3	98.5	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 500	85.8	90.1	93.5	96.3	98.5	98.9	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9
GE 400	85.8	90.1	93.5	96.3	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 300	85.8	90.1	93.5	96.3	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 200	85.8	90.1	93.5	96.3	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	85.8	90.1	93.5	96.3	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	85.8	90.1	93.5	96.3	98.5	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.2	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 20000	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 18000	56.6	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 16000	56.6	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 14000	57.0	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 12000	58.0	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 10000	60.9	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 9000	61.2	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 8000	63.8	64.7	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 7000	66.8	68.0	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 6000	67.3	68.6	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 5000	68.9	70.3	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4500	69.4	70.8	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	72.4	73.9	74.5	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3500	76.6	78.4	79.0	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3000	83.3	85.4	86.7	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2500	86.1	88.3	89.6	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2000	88.1	90.6	92.2	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1800	88.8	91.5	93.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1500	90.1	93.0	94.8	96.0	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	91.1	94.1	95.9	97.2	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	91.1	94.1	96.0	97.5	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	91.1	94.1	96.0	97.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	91.1	94.4	96.5	98.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	91.1	94.4	96.5	98.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	91.1	94.4	96.5	98.2	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	91.1	94.4	96.5	98.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.1	94.4	96.5	98.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.1	94.4	96.5	98.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.1	94.4	96.5	98.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.1	94.4	96.5	98.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.1	94.4	96.5	98.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 20000	59.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	59.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	59.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	59.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 12000	60.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 10000	63.9	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 9000	64.0	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	68.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 7000	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 6000	71.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 5000	73.4	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4500	74.2	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4000	78.5	80.2	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3500	81.5	83.3	83.8	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 3000	86.5	88.5	89.4	89.5	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500	88.9	91.2	92.3	92.4	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000	90.2	92.7	94.2	94.3	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1800	91.0	93.4	94.9	95.2	95.6	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	91.5	94.1	95.8	96.1	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	91.9	94.8	96.8	97.3	98.2	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	91.9	94.8	96.8	97.3	98.2	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	91.9	94.8	96.8	97.3	98.2	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	92.2	95.2	97.1	97.7	98.6	98.7	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	92.4	95.4	97.4	98.2	99.1	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	92.4	95.4	97.4	98.2	99.1	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	92.4	95.4	97.5	98.3	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.4	95.4	97.5	98.3	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.4	95.4	97.5	98.3	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.4	95.4	97.5	98.3	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.4	95.4	97.5	98.3	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
000	92.4	95.4	97.5	98.3	99.2	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 20000	65.7	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 18000	66.0	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 16000	66.2	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 14000	66.2	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 12000	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 10000	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 9000	71.6	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 8000	74.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 7000	77.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 6000	78.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 5000	80.3	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4500	81.3	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4000	84.3	85.9	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3500	85.4	87.0	87.4	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3000	90.1	91.9	92.5	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2500	91.0	93.3	94.1	94.6	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	92.5	95.2	95.9	96.7	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	92.7	95.4	96.1	96.9	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	93.0	95.7	96.5	97.2	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	93.5	96.3	97.1	98.0	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	93.5	96.3	97.1	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	93.5	96.3	97.1	98.2	99.1	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	93.7	96.7	97.4	98.5	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	93.7	96.7	97.4	98.5	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	93.7	96.7	97.4	98.5	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	93.7	96.7	97.4	98.5	99.6	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	93.8	96.8	97.5	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.8	96.8	97.5	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.8	96.8	97.5	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.8	96.8	97.5	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.8	96.8	97.5	98.6	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.0	62.8	63.1	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 20000	69.2	70.1	70.4	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 18000	69.2	70.1	70.4	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 16000	69.2	70.1	70.4	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 14000	69.4	70.2	70.5	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	69.8	70.6	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 10000	72.8	73.8	74.1	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 9000	73.5	74.7	75.1	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 8000	75.8	77.2	77.5	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 7000	76.7	78.2	78.5	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 6000	77.4	78.9	79.2	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 5000	78.5	80.1	80.5	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500	78.8	80.4	80.9	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4000	82.5	84.2	84.9	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3500	83.4	85.5	86.3	87.0	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 3000	85.9	88.4	89.6	90.3	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	87.0	90.2	91.5	92.8	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	88.5	91.7	93.1	94.4	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	88.6	91.8	93.2	94.5	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	89.0	92.3	93.7	94.9	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	89.8	93.1	94.7	96.2	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	89.9	93.3	95.2	96.9	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	89.9	93.3	95.4	97.1	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	90.1	93.5	95.6	97.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.1	93.5	95.7	97.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.9	51.4	52.2	52.4	52.7	52.7	52.8	52.8	52.8	52.9	52.9	52.9	53.1	53.1	53.2	53.2
GE 20000	58.3	60.1	61.0	61.2	61.5	61.5	61.6	61.6	61.7	61.7	61.8	61.8	61.9	61.9	62.0	62.1
GE 18000	58.4	60.2	61.1	61.3	61.6	61.7	61.7	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.1	62.2
GE 16000	58.4	60.3	61.1	61.4	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.0	62.1	62.1	62.2
GE 14000	58.6	60.4	61.3	61.5	61.8	61.9	61.9	61.9	62.0	62.1	62.1	62.1	62.2	62.2	62.3	62.4
GE 12000	59.4	61.3	62.1	62.4	62.6	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.1	63.1	63.2
GE 10000	62.9	64.8	65.7	66.0	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.7	66.7	66.8	66.9
GE 9000	63.3	65.3	66.3	66.5	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.2	67.3	67.3	67.4
GE 8000	66.5	68.7	69.7	70.1	70.4	70.4	70.5	70.5	70.5	70.6	70.7	70.7	70.8	70.8	70.9	71.0
GE 7000	68.8	71.2	72.3	72.6	72.9	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.3	73.4	73.4	73.5
GE 6000	69.4	71.8	72.9	73.3	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	74.0	74.0	74.1	74.2
GE 5000	70.9	73.4	74.6	75.0	75.5	75.5	75.6	75.6	75.6	75.7	75.8	75.8	75.9	75.9	76.0	76.1
GE 4500	71.5	74.1	75.3	75.8	76.2	76.2	76.3	76.3	76.3	76.5	76.5	76.5	76.6	76.6	76.7	76.8
GE 4000	74.4	77.2	78.6	79.1	79.7	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.1	80.2	80.2	80.3
GE 3500	76.3	79.3	80.8	81.4	82.0	82.1	82.2	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.6	82.7
GE 3000	80.3	83.5	85.6	86.3	87.1	87.2	87.3	87.3	87.4	87.5	87.5	87.5	87.6	87.6	87.7	87.8
GE 2500	81.7	85.3	87.5	88.4	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.9	89.9	89.9	90.0
GE 2000	83.1	86.9	89.3	90.3	91.3	91.4	91.6	91.6	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.1
GE 1800	83.7	87.6	90.0	91.1	92.1	92.2	92.4	92.5	92.5	92.6	92.6	92.6	92.8	92.8	92.9	93.0
GE 1500	84.7	88.8	91.4	92.6	93.8	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.6	94.6	94.7	94.8
GE 1200	85.6	90.0	92.8	94.2	95.6	95.7	96.0	96.1	96.1	96.2	96.3	96.3	96.4	96.4	96.5	96.6
GE 1000	86.1	90.7	93.6	95.2	96.7	96.9	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.8
GE 900	86.2	90.8	93.8	95.5	97.0	97.2	97.5	97.6	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.2
GE 800	86.3	91.1	94.2	96.0	97.6	97.8	98.2	98.3	98.4	98.6	98.6	98.6	98.8	98.8	98.9	99.0
GE 700	86.4	91.2	94.4	96.2	98.0	98.2	98.6	98.8	98.8	99.0	99.0	99.0	99.2	99.2	99.3	99.4
GE 600	86.4	91.2	94.4	96.3	98.2	98.4	98.8	99.0	99.1	99.3	99.3	99.3	99.5	99.5	99.6	99.6
GE 500	86.4	91.3	94.5	96.4	98.3	98.5	98.9	99.1	99.2	99.4	99.4	99.4	99.6	99.6	99.7	99.8
GE 400	86.5	91.3	94.5	96.4	98.3	98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.9
GE 300	86.5	91.3	94.5	96.4	98.3	98.6	99.0	99.2	99.3	99.5	99.5	99.5	99.7	99.7	99.8	99.9
GE 200	86.5	91.3	94.5	96.4	98.3	98.6	99.0	99.2	99.3	99.5	99.5	99.5	99.7	99.7	99.8	99.9
GE 100	86.5	91.3	94.5	96.4	98.3	98.6	99.0	99.2	99.3	99.5	99.5	99.5	99.7	99.7	99.8	100.0
GE 000	86.5	91.3	94.5	96.4	98.3	98.6	99.0	99.2	99.3	99.5	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.9	61.8	62.3	62.7	62.9	63.1	63.1	63.3	63.3	63.4	63.6	63.7	63.7	63.7	63.7	63.9
GE 20000	69.3	70.2	70.9	71.2	71.4	71.7	71.7	71.9	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.4
GE 18000	69.3	70.2	70.9	71.2	71.4	71.7	71.7	71.9	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.4
GE 16000	69.3	70.2	70.9	71.2	71.4	71.7	71.7	71.9	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.4
GE 14000	69.3	70.2	70.9	71.2	71.4	71.7	71.7	71.9	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.4
GE 12000	69.8	70.7	71.3	71.7	71.9	72.1	72.1	72.3	72.3	72.4	72.6	72.7	72.7	72.7	72.7	72.9
GE 10000	71.9	72.8	73.4	73.8	74.0	74.2	74.2	74.4	74.4	74.6	74.7	74.8	74.8	74.8	74.8	75.0
GE 9000	72.4	73.3	74.1	74.4	74.7	74.9	74.9	75.1	75.1	75.2	75.3	75.4	75.4	75.4	75.4	75.7
GE 8000	76.1	77.0	77.8	78.2	78.7	78.9	78.9	79.1	79.1	79.2	79.3	79.4	79.4	79.4	79.4	79.7
GE 7000	76.8	77.7	78.4	78.9	79.3	79.6	79.6	79.8	79.8	79.9	80.0	80.1	80.1	80.1	80.1	80.3
GE 6000	77.2	78.1	78.9	79.3	79.8	80.0	80.0	80.2	80.2	80.3	80.4	80.6	80.6	80.6	80.6	80.8
GE 5000	79.6	80.4	81.2	81.7	82.1	82.3	82.3	82.6	82.6	82.7	82.8	82.9	82.9	82.9	82.9	83.1
GE 4500	79.8	80.7	81.4	81.9	82.3	82.6	82.6	82.8	82.8	82.9	83.0	83.1	83.1	83.1	83.1	83.3
GE 4000	84.7	85.7	86.4	86.9	87.3	87.6	87.6	87.8	87.8	87.9	88.0	88.1	88.1	88.1	88.1	88.3
GE 3500	86.8	88.0	89.3	89.8	90.6	90.8	90.8	91.0	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.6
GE 3000	90.7	92.2	93.9	94.4	95.6	95.9	95.9	96.2	96.2	96.3	96.4	96.6	96.6	96.6	96.6	96.8
GE 2500	91.0	92.6	94.2	94.8	95.9	96.2	96.2	96.6	96.6	96.7	96.8	96.9	96.9	96.9	96.9	97.1
GE 2000	91.3	93.0	94.9	95.4	96.6	96.9	96.9	97.2	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.8
GE 1800	91.3	93.0	94.9	95.4	96.6	96.9	96.9	97.2	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.8
GE 1500	92.0	93.7	95.6	96.2	97.3	97.7	97.7	98.0	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.6
GE 1200	92.1	93.8	95.7	96.3	97.4	97.8	97.8	98.1	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.7
GE 1000	92.3	94.1	96.1	96.8	98.0	98.3	98.3	98.7	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.2
GE 900	92.3	94.1	96.2	97.0	98.2	98.6	98.6	98.9	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.4
GE 800	92.3	94.1	96.3	97.1	98.3	98.7	98.7	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.6
GE 700	92.3	94.1	96.3	97.1	98.3	98.7	98.7	99.0	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.6
GE 600	92.3	94.1	96.3	97.2	98.4	98.8	98.8	99.1	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.7
GE 500	92.3	94.1	96.3	97.2	98.4	98.8	98.8	99.1	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.7
GE 400	92.3	94.1	96.3	97.2	98.4	98.8	98.8	99.1	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.7
GE 300	92.3	94.1	96.3	97.2	98.4	98.8	98.8	99.1	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.8
GE 200	92.3	94.1	96.3	97.2	98.4	98.8	98.8	99.1	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.8
GE 100	92.3	94.1	96.3	97.2	98.4	98.8	98.8	99.1	99.1	99.3	99.4	99.6	99.6	99.6	99.7	100.0
GE 000	92.3	94.1	96.3	97.2	98.4	98.8	98.8	99.1	99.1	99.3	99.4	99.6	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.3	55.7	57.3	58.2	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.3
GE 20000	61.3	64.1	65.8	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.9
GE 18000	61.3	64.1	65.8	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.9
GE 16000	61.3	64.1	65.8	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.9
GE 14000	61.3	64.1	65.8	66.7	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.9
GE 12000	62.1	65.0	66.7	67.6	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.8
GE 10000	64.7	67.7	69.3	70.2	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.6
GE 9000	65.2	68.3	70.0	70.9	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.2
GE 8000	68.9	72.1	73.8	74.7	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	76.0
GE 7000	70.1	73.3	75.0	75.9	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.3
GE 6000	70.7	74.0	75.7	76.6	77.1	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	78.1
GE 5000	73.8	77.1	78.9	79.8	80.3	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.3
GE 4500	74.1	77.4	79.2	80.2	80.8	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.8
GE 4000	77.2	81.0	82.9	84.0	84.6	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.6
GE 3500	78.3	82.3	84.4	85.6	86.1	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	87.1
GE 3000	81.7	86.1	89.4	90.7	91.6	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.8
GE 2500	82.1	86.6	90.0	91.2	92.2	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.4
GE 2000	83.0	87.4	91.1	92.3	93.3	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.4	94.8
GE 1800	83.1	87.6	91.2	92.4	93.4	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.6	94.9
GE 1500	84.2	88.7	92.6	93.8	94.9	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.9	96.0	96.3
GE 1200	84.7	89.1	93.1	94.4	95.6	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.7	97.0
GE 1000	84.9	89.3	93.4	94.8	95.9	96.4	96.6	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.4
GE 900	85.1	89.6	93.8	95.1	96.2	96.8	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.4	97.6	97.9
GE 800	85.2	89.7	93.9	95.2	96.3	96.9	97.0	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.7	98.0
GE 700	85.2	89.7	93.9	95.2	96.4	97.0	97.1	97.4	97.6	97.7	97.7	97.7	97.8	97.8	97.9	98.2
GE 600	85.2	89.8	94.1	95.4	96.8	97.3	97.4	98.0	98.1	98.3	98.3	98.3	98.4	98.4	98.6	98.9
GE 500	85.2	89.8	94.1	95.4	96.8	97.3	97.4	98.1	98.2	98.4	98.4	98.4	98.6	98.6	98.7	99.0
GE 400	85.2	89.8	94.1	95.4	96.8	97.4	97.6	98.2	98.4	98.7	98.8	98.8	99.0	99.0	99.1	99.4
GE 300	85.2	89.8	94.1	95.4	96.8	97.4	97.6	98.3	98.6	98.8	99.0	99.0	99.2	99.2	99.3	99.8
GE 200	85.2	89.8	94.1	95.4	96.8	97.4	97.6	98.3	98.6	98.8	99.0	99.0	99.2	99.2	99.3	99.8
GE 100	85.2	89.8	94.1	95.4	96.8	97.4	97.6	98.3	98.6	98.8	99.0	99.0	99.2	99.2	99.3	99.8
GE 000	85.2	89.8	94.1	95.4	96.8	97.4	97.6	98.3	98.6	98.8	99.0	99.0	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.4	51.4	52.3	53.7	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 20000	57.2	60.4	61.4	63.1	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 18000	57.4	60.7	61.7	63.3	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 16000	57.7	60.9	61.9	63.6	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 14000	58.2	61.4	62.4	64.1	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 12000	59.4	62.8	63.8	65.4	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 10000	62.4	66.2	67.3	69.0	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 9000	63.8	67.6	68.7	70.3	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 8000	68.4	72.4	73.6	75.2	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 7000	69.9	73.9	75.0	76.7	77.6	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 6000	70.8	74.8	75.9	77.6	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000	72.7	76.8	78.2	79.9	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	73.2	77.3	79.0	81.0	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 4000	76.2	80.3	82.0	84.1	85.1	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3500	77.2	81.4	83.1	85.4	86.4	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 3000	79.1	83.6	85.3	87.8	89.1	89.6	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 2500	79.8	84.3	86.1	88.6	89.9	90.3	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	80.3	85.0	86.9	89.3	90.9	91.3	91.9	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	80.6	85.2	87.1	89.6	91.1	91.6	92.1	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
GE 1500	81.3	86.2	88.1	90.6	92.4	92.9	93.4	93.6	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	81.9	86.9	89.0	91.4	93.3	93.8	94.3	94.4	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 1000	82.4	87.4	89.8	92.3	94.2	94.7	95.2	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	82.6	87.6	89.9	92.4	94.3	94.8	95.3	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	82.6	87.9	90.2	92.8	94.8	95.2	95.8	96.1	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 700	82.6	87.9	90.2	92.9	95.0	95.4	96.0	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	82.6	87.9	90.2	92.9	95.0	95.4	96.0	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	82.6	87.9	90.2	92.9	95.0	95.4	96.3	97.1	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 400	82.6	87.9	90.2	92.9	95.0	95.4	96.4	97.3	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98.3
GE 300	82.6	87.9	90.2	92.9	95.0	95.4	96.4	97.6	98.0	98.2	98.6	98.6	98.7	98.7	98.7	98.8
GE 200	82.6	87.9	90.2	92.9	95.0	95.4	96.4	97.6	98.0	98.3	98.7	98.7	98.9	99.2	99.2	99.7
GE 100	82.6	87.9	90.2	92.9	95.0	95.4	96.4	97.6	98.0	98.3	98.7	98.7	98.9	99.2	99.4	100.0
GE 000	82.6	87.9	90.2	92.9	95.0	95.4	96.4	97.6	98.0	98.3	98.7	98.7	98.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.8	54.2	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 20000	61.3	63.1	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 18000	61.3	63.1	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 16000	61.3	63.1	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 14000	61.4	63.2	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 12000	63.3	65.1	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 10000	66.6	68.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 9000	67.3	69.3	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 8000	71.6	73.7	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 7000	73.8	76.0	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 6000	74.2	76.4	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 5000	76.1	78.4	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4500	76.7	79.0	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 4000	78.3	81.1	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3500	79.3	82.2	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3000	83.8	86.9	88.6	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	84.9	88.4	90.2	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2000	86.2	89.8	91.8	92.8	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1800	86.3	90.0	92.0	93.0	93.2	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1500	86.8	90.7	92.8	94.1	94.6	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1200	87.4	91.6	93.9	95.6	96.2	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1000	88.1	92.4	94.8	96.4	97.1	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	88.3	92.8	95.2	96.9	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	88.3	92.8	95.2	97.0	97.8	98.0	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	88.7	93.1	95.7	97.4	98.3	98.6	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	88.7	93.1	95.7	97.4	98.3	98.7	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	88.7	93.1	95.7	97.4	98.4	98.8	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	88.9	93.3	95.9	97.7	98.8	99.2	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	88.9	93.3	95.9	97.7	98.8	99.2	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	88.9	93.3	95.9	97.7	98.8	99.2	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	88.9	93.3	95.9	97.7	98.8	99.2	99.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	88.9	93.3	95.9	97.7	98.8	99.2	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.4	54.7	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 20000	60.8	62.0	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 18000	61.0	62.2	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 16000	61.0	62.2	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 14000	61.0	62.2	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 12000	62.0	63.2	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 10000	65.8	67.0	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 9000	66.4	67.9	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 8000	70.6	72.0	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 7000	73.0	74.4	75.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	73.9	75.3	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 5000	75.9	77.3	78.2	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4500	76.2	77.7	78.6	79.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 4000	80.1	81.9	82.9	83.8	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	82.3	84.1	85.1	86.0	86.1	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3000	87.8	89.7	90.7	91.9	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	89.4	91.7	92.8	94.1	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	91.2	93.7	95.1	96.6	96.7	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	91.2	93.8	95.2	96.7	96.8	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	91.6	94.2	95.9	97.6	97.8	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	92.1	94.8	96.4	98.2	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	92.2	94.9	96.6	98.3	98.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	92.2	94.9	96.6	98.3	98.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 600	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 500	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	92.2	94.9	96.6	98.3	98.6	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.2	56.1	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	64.7	65.8	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 18000	65.1	66.2	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 16000	65.1	66.2	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 14000	65.3	66.4	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 12000	65.8	66.9	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 10000	70.1	71.3	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 9000	70.9	72.3	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 8000	75.7	77.2	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 7000	77.6	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 6000	78.3	79.9	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 5000	79.3	81.0	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 4500	79.7	81.4	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4000	83.0	85.0	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	85.2	87.2	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
GE 3000	90.4	92.6	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
GE 2500	91.2	93.6	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7
GE 2000	91.8	94.2	96.7	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GE 1800	91.8	94.2	96.7	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE 1500	92.0	94.7	97.1	97.8	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
GE 1200	92.3	95.0	97.4	98.1	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 1000	92.3	95.0	97.4	98.2	98.9	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 900	92.3	95.0	97.4	98.2	98.9	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 800	92.3	95.0	97.4	98.2	98.9	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 700	92.3	95.0	97.4	98.2	98.9	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 600	92.3	95.0	97.4	98.2	98.9	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 500	92.3	95.0	97.4	98.2	98.9	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 400	92.3	95.0	97.4	98.2	98.9	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 300	92.3	95.0	97.4	98.2	98.9	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 200	92.3	95.0	97.4	98.2	98.9	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 100	92.3	95.0	97.4	98.2	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	92.3	95.0	97.4	98.2	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.0	61.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 20000	73.0	74.4	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 18000	73.2	74.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 16000	73.2	74.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 14000	73.2	74.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 12000	73.6	75.0	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 10000	75.9	77.3	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 9000	76.3	77.8	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 8000	81.2	82.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 7000	82.1	83.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000	82.8	84.4	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 5000	84.3	86.0	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 4500	84.6	86.2	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	86.7	88.7	90.3	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3500	88.0	90.1	92.1	92.3	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	91.0	93.2	95.3	95.8	96.0	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	91.2	93.4	95.6	96.0	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	91.4	93.8	96.0	96.4	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	91.7	94.0	96.2	96.7	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	91.8	94.1	96.6	97.2	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	92.1	94.6	97.0	97.8	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	92.1	94.6	97.0	97.8	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	92.1	94.6	97.0	97.8	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	92.1	94.6	97.3	98.1	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	92.1	94.6	97.3	98.1	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	92.1	94.6	97.3	98.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	92.1	94.6	97.3	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.1	94.6	97.3	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.1	94.6	97.3	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.1	94.6	97.3	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.1	94.6	97.3	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.1	94.6	97.3	98.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: 21-25

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.2	64.3	65.3	65.6	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 20000	72.3	73.4	74.6	74.9	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 18000	72.3	73.4	74.6	74.9	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 16000	72.3	73.4	74.6	74.9	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 14000	72.4	73.6	74.7	75.0	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 12000	72.8	73.9	75.0	75.3	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 10000	75.6	76.7	77.8	78.1	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 9000	75.8	76.9	78.0	78.3	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 8000	79.9	81.1	82.2	82.6	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 7000	80.2	81.6	82.7	83.0	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 6000	80.8	82.1	83.2	83.6	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 5000	82.3	83.8	84.9	85.2	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 4500	82.4	83.9	85.0	85.3	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 4000	86.1	87.6	88.7	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3500	87.6	89.2	90.6	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3000	90.4	92.3	94.0	94.4	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	91.1	93.2	94.9	95.3	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	91.6	93.8	95.6	96.0	96.8	96.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	91.8	94.0	95.8	96.2	97.0	97.1	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	91.9	94.1	95.9	96.3	97.1	97.3	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	92.3	94.6	96.4	96.9	97.7	97.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	92.6	94.8	96.9	97.3	98.1	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	92.6	94.8	97.0	97.4	98.3	98.6	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	92.6	94.8	97.0	97.4	98.4	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	92.6	94.8	97.0	97.4	98.4	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	92.6	94.8	97.0	97.4	98.8	99.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	92.6	94.8	97.0	97.6	98.9	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	92.6	94.8	97.0	97.6	98.9	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	92.6	94.8	97.0	97.6	98.9	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	92.6	94.8	97.0	97.6	98.9	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 100	92.6	94.8	97.0	97.6	98.9	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	92.6	94.8	97.0	97.6	98.9	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.9	57.4	58.4	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3
GE 20000	65.0	66.7	67.8	68.3	68.6	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.9
GE 18000	65.1	66.8	67.9	68.5	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0
GE 16000	65.2	66.9	68.0	68.5	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0
GE 14000	65.3	67.0	68.1	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2
GE 12000	66.1	67.8	68.9	69.5	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
GE 10000	69.1	70.9	72.1	72.6	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2
GE 9000	69.8	71.7	72.9	73.4	73.7	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0
GE 8000	74.0	76.1	77.3	77.8	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4
GE 7000	75.4	77.5	78.7	79.3	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
GE 6000	76.1	78.1	79.4	80.0	80.3	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6
GE 5000	78.0	80.1	81.4	82.0	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6
GE 4500	78.3	80.5	81.8	82.5	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
GE 4000	81.5	83.9	85.3	86.1	86.5	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 3500	83.1	85.6	87.3	88.0	88.4	88.6	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.9
GE 3000	86.9	89.6	91.5	92.5	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.7
GE 2500	87.6	90.5	92.5	93.5	94.1	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7
GE 2000	88.4	91.3	93.5	94.5	95.2	95.4	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0
GE 1800	88.5	91.5	93.6	94.7	95.3	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1
GE 1500	88.9	92.0	94.3	95.4	96.3	96.5	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1
GE 1200	89.4	92.5	94.9	96.1	97.0	97.3	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9
GE 1000	89.6	92.8	95.3	96.5	97.4	97.8	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4
GE 900	89.7	92.9	95.4	96.7	97.6	97.9	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6
GE 800	89.7	93.0	95.5	96.8	97.8	98.1	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9
GE 700	89.8	93.0	95.6	96.8	97.9	98.2	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1
GE 600	89.8	93.0	95.6	96.9	98.0	98.3	98.7	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.3
GE 500	89.8	93.0	95.6	96.9	98.0	98.4	98.8	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.5
GE 400	89.8	93.0	95.6	96.9	98.1	98.4	98.8	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.6
GE 300	89.8	93.0	95.6	96.9	98.1	98.4	98.8	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.8
GE 200	89.8	93.0	95.6	96.9	98.1	98.4	98.8	99.2	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.9
GE 100	89.8	93.0	95.6	96.9	98.1	98.5	98.9	99.2	99.4	99.5	99.6	99.6	99.7	99.7	99.8	100.0
GE 000	89.8	93.0	95.6	96.9	98.1	98.5	98.9	99.2	99.4	99.5	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	72.0	72.9	74.4	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
GE 20000	78.2	79.0	80.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
GE 18000	78.2	79.0	80.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
GE 16000	78.2	79.0	80.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
GE 14000	78.4	79.2	80.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2
GE 12000	79.0	79.9	81.4	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
GE 10000	82.7	83.5	85.1	86.5	86.6	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
GE 9000	83.9	84.7	86.2	87.6	87.7	87.8	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 8000	85.5	86.3	88.0	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 7000	85.5	86.3	88.0	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 6000	86.0	86.9	88.5	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 5000	86.6	87.4	89.0	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 4500	86.7	87.5	89.1	90.5	90.6	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 4000	88.2	89.1	90.8	92.2	92.3	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	89.9	90.9	92.5	93.9	94.1	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	91.2	92.2	94.1	95.5	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	91.3	92.4	94.3	95.8	96.3	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	92.0	93.1	95.1	96.6	97.1	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	92.2	93.2	95.4	96.9	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	92.6	93.7	95.8	97.3	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	92.7	93.8	95.9	97.5	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	92.9	94.0	96.2	97.8	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	92.9	94.0	96.2	97.8	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	93.0	94.1	96.3	98.0	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	93.0	94.1	96.3	98.0	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	93.0	94.1	96.5	98.1	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	93.0	94.1	96.5	98.1	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	93.0	94.1	96.5	98.1	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	93.0	94.1	96.5	98.1	99.5	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	93.0	94.1	96.5	98.1	99.5	99.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.0	94.1	96.5	98.1	99.5	99.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.0	94.1	96.5	98.1	99.5	99.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.2	68.7	70.2	70.4	72.3	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8
GE 20000	71.4	74.0	75.7	75.9	77.7	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3
GE 18000	71.4	74.0	75.7	75.9	77.7	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3
GE 16000	71.6	74.2	75.9	76.1	78.0	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5
GE 14000	71.7	74.3	76.0	76.2	78.1	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.6
GE 12000	72.0	74.6	76.3	76.6	78.4	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9
GE 10000	75.7	78.4	80.1	80.4	82.3	82.5	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.0
GE 9000	76.7	79.4	81.2	81.5	83.3	83.5	83.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1
GE 8000	79.2	82.2	84.0	84.4	86.3	86.6	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1
GE 7000	79.7	82.6	84.4	84.8	86.8	87.0	87.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.5
GE 6000	79.8	82.7	84.5	84.9	86.9	87.1	87.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.6
GE 5000	80.5	83.4	85.3	85.7	87.6	87.8	88.0	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.4
GE 4500	80.6	83.5	85.4	85.8	87.7	88.0	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5
GE 4000	81.7	84.7	86.8	87.2	89.2	89.5	89.7	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.3
GE 3500	83.7	86.7	88.8	89.5	91.5	91.8	92.0	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.6	92.7
GE 3000	85.2	88.2	90.9	91.7	93.9	94.2	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.1	95.2
GE 2500	85.5	88.6	91.3	92.4	94.8	95.2	95.5	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.1
GE 2000	85.8	88.9	91.6	92.7	95.2	95.5	95.9	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.5	96.6
GE 1800	85.8	89.0	91.7	92.8	95.3	95.6	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.8
GE 1500	86.2	89.5	92.2	93.2	95.7	96.0	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.1	97.2
GE 1200	86.5	89.8	92.5	93.8	96.3	96.7	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
GE 1000	86.6	89.9	92.8	94.3	96.9	97.3	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.5
GE 900	86.6	89.9	92.8	94.3	96.9	97.3	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.5
GE 800	86.8	90.1	93.1	94.6	97.4	97.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	99.0
GE 700	86.9	90.3	93.3	94.8	97.6	98.1	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.2
GE 600	86.9	90.3	93.3	94.8	97.7	98.2	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.5
GE 500	86.9	90.3	93.3	94.8	97.7	98.2	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.5
GE 400	86.9	90.3	93.3	94.8	97.7	98.2	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.5
GE 300	86.9	90.3	93.3	94.8	97.7	98.2	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.9	100.0
GE 200	86.9	90.3	93.3	94.8	97.7	98.2	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.9	100.0
GE 100	86.9	90.3	93.3	94.8	97.7	98.2	98.8	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.9	100.0
GE 000	86.9	90.3	93.3	94.8	97.7	98.2	98.8	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.6	59.2	61.9	63.1	64.2	64.2	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.6
GE 20000	61.5	66.7	69.9	71.1	72.2	72.4	72.6	72.8	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.1
GE 18000	61.6	66.8	70.0	71.2	72.3	72.5	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.2
GE 16000	61.6	66.8	70.0	71.2	72.3	72.5	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.2
GE 14000	62.0	67.2	70.4	71.6	72.7	72.9	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.7
GE 12000	62.9	68.1	71.3	72.5	73.5	73.8	74.0	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.4	74.5
GE 10000	66.6	71.8	75.3	76.6	77.6	77.8	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.5	78.6
GE 9000	67.8	73.1	76.7	78.0	79.0	79.2	79.5	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.9	80.0
GE 8000	70.5	76.3	80.0	81.3	82.4	82.6	82.8	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.3
GE 7000	71.7	77.6	81.3	82.6	83.8	84.0	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.7
GE 6000	72.7	78.6	82.3	83.5	84.7	84.9	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.6	85.7
GE 5000	73.5	79.5	83.1	84.4	85.6	85.8	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.5	86.6
GE 4500	74.1	80.1	83.8	85.1	86.2	86.5	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.1	87.2
GE 4000	74.7	81.1	84.7	86.0	87.2	87.4	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.2
GE 3500	75.2	81.5	85.2	86.5	87.7	88.0	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.7
GE 3000	76.5	83.1	87.3	88.6	90.0	90.3	90.5	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.1	91.2
GE 2500	77.0	83.7	87.8	89.1	90.5	90.9	91.1	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.6	91.7
GE 2000	78.0	84.7	89.1	90.4	91.8	92.2	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	93.0
GE 1800	78.1	84.8	89.4	90.6	92.0	92.4	92.6	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.2
GE 1500	78.6	85.4	89.9	91.3	92.9	93.2	93.4	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.2
GE 1200	79.4	86.2	91.2	92.9	94.6	94.9	95.3	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.9	96.0
GE 1000	79.8	86.7	91.8	93.8	95.7	96.1	96.5	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.2	97.3
GE 900	80.0	87.0	92.2	94.1	96.0	96.5	96.8	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.5	97.6
GE 800	80.2	87.2	92.7	94.7	96.7	97.1	97.4	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.3	98.4
GE 700	80.3	87.3	92.8	94.8	96.8	97.2	97.6	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.7	98.8
GE 600	80.3	87.3	92.8	94.9	97.0	97.4	98.0	98.6	98.6	98.8	98.9	98.9	98.9	98.9	99.0	99.1
GE 500	80.3	87.3	92.8	95.1	97.1	97.5	98.2	98.8	98.8	99.0	99.4	99.4	99.4	99.4	99.5	99.6
GE 400	80.3	87.4	92.9	95.3	97.3	97.7	98.4	99.0	99.0	99.2	99.7	99.7	99.7	99.7	99.8	99.9
GE 300	80.3	87.4	92.9	95.3	97.3	97.7	98.4	99.0	99.0	99.2	99.7	99.7	99.7	99.7	99.8	99.9
GE 200	80.3	87.4	92.9	95.3	97.4	97.8	98.5	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.9	100.0
GE 100	80.3	87.4	92.9	95.3	97.4	97.8	98.5	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.9	100.0
GE 000	80.3	87.4	92.9	95.3	97.4	97.8	98.5	99.1	99.1	99.4	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.5	62.2	63.2	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 20000	68.1	72.3	73.3	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 18000	68.2	72.4	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 16000	68.2	72.4	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 14000	68.4	72.6	73.7	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 12000	68.9	73.3	74.5	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 10000	73.4	78.2	79.7	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 9000	74.2	78.9	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 8000	78.7	83.9	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 7000	80.0	85.2	86.7	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 6000	80.4	85.6	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 5000	81.2	86.3	87.8	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4500	81.5	86.8	88.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4000	82.7	88.0	89.5	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3500	83.8	89.0	90.5	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3000	85.1	90.4	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2500	85.6	91.2	92.7	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	87.0	92.6	94.2	94.8	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1800	87.3	93.2	94.8	95.5	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	88.2	94.1	95.7	96.3	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	88.9	95.2	96.8	97.4	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	89.2	95.5	97.1	97.8	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	89.5	95.7	97.3	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	89.8	96.0	97.6	98.4	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	89.9	96.1	97.8	98.6	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	89.9	96.1	97.8	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	89.9	96.1	97.8	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	89.9	96.1	98.0	98.8	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 300	89.9	96.1	98.0	98.8	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	89.9	96.1	98.0	98.8	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	89.9	96.1	98.0	98.8	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	89.9	96.1	98.0	98.8	99.1	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.8	60.6	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 20000	67.1	71.5	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 18000	67.4	71.8	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 16000	67.4	71.8	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 14000	67.6	72.0	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 12000	68.5	73.1	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 10000	73.4	78.4	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 9000	74.3	79.2	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 8000	76.2	81.3	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	77.6	82.7	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 6000	78.1	83.1	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 5000	78.6	83.7	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4500	79.0	84.1	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4000	81.6	86.9	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3500	83.5	88.8	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 3000	88.6	94.0	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2500	89.2	94.6	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	90.2	96.1	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	90.3	96.2	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	90.5	96.5	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	91.2	97.2	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	91.3	97.3	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	91.3	97.3	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	91.3	97.3	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	91.3	97.3	98.9	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	91.4	97.4	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	91.4	97.4	99.0	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	91.4	97.4	99.0	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.4	97.4	99.0	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.4	97.4	99.0	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.4	97.4	99.0	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.4	97.4	99.0	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.4	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 20000	75.6	79.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 18000	75.9	79.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 16000	76.0	79.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 14000	76.2	79.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 12000	77.0	80.5	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 10000	80.2	84.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 9000	81.1	84.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 8000	83.1	86.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 7000	84.2	88.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 6000	84.3	88.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 5000	85.4	89.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 4500	85.4	89.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	86.8	91.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3500	88.1	92.4	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3000	91.1	95.4	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2500	91.7	96.1	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	91.9	96.3	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	91.9	96.3	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	92.5	96.9	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	92.7	97.1	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	92.7	97.4	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.7	97.5	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.2	73.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 20000	80.8	83.7	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 18000	81.0	84.0	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 16000	81.1	84.1	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 14000	81.6	84.7	85.8	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 12000	82.0	85.2	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 10000	84.2	87.6	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 9000	84.8	88.3	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 8000	86.5	89.9	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 7000	87.0	90.4	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 6000	87.0	90.4	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 5000	87.7	91.2	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4500	88.0	91.4	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	89.7	93.3	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3500	90.2	93.9	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	91.5	95.3	96.8	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	91.6	95.4	96.9	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	92.0	95.8	97.3	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	92.0	95.8	97.3	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	92.4	96.2	98.1	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	92.6	96.8	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.6	96.9	98.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
1ST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.7	77.2	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 20000	81.1	82.6	83.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 18000	81.1	82.6	83.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 16000	81.3	82.8	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 14000	81.5	83.0	84.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 12000	81.8	83.4	84.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 10000	85.3	86.9	88.2	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 9000	86.1	87.7	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 8000	87.2	88.8	90.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 7000	87.7	89.4	90.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 6000	88.2	89.8	91.1	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 5000	89.4	91.0	92.3	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 4500	89.7	91.3	92.6	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 4000	90.8	92.4	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3500	91.4	93.0	94.3	95.3	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 3000	93.3	94.9	96.2	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	93.3	94.9	96.2	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	93.9	95.5	96.8	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	94.2	95.8	97.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	94.3	95.9	97.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	94.4	96.1	97.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	94.8	96.6	98.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	94.8	96.6	98.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	94.8	96.6	98.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	94.8	96.6	98.0	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	94.8	96.6	98.0	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.8	96.6	98.0	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.8	96.6	98.0	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.8	96.6	98.0	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.8	96.6	98.0	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.8	96.6	98.0	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.8	96.6	98.0	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.9	67.8	69.3	69.8	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 20000	73.0	76.1	77.6	78.2	78.6	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 18000	73.1	76.3	77.8	78.4	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
GE 16000	73.2	76.3	77.9	78.4	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1
GE 14000	73.4	76.6	78.2	78.7	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 12000	74.0	77.3	78.8	79.4	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 10000	77.7	81.1	82.8	83.4	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1
GE 9000	78.6	82.0	83.7	84.4	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 8000	80.9	84.4	86.2	86.8	87.2	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
GE 7000	81.7	85.3	87.0	87.6	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 6000	82.1	85.7	87.4	88.1	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 5000	82.9	86.5	88.2	88.9	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 4500	83.1	86.8	88.5	89.2	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4000	84.5	88.3	90.1	90.7	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5
GE 3500	85.7	89.5	91.3	92.0	92.5	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	87.8	91.7	93.7	94.4	95.0	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4
GE 2500	88.2	92.1	94.1	94.9	95.5	95.6	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	88.9	92.9	94.9	95.8	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
GE 1800	89.0	93.1	95.2	96.0	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1500	89.4	93.5	95.7	96.6	97.3	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
GE 1200	89.8	94.0	96.3	97.2	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
GE 1000	90.0	94.3	96.6	97.7	98.5	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	90.0	94.4	96.7	97.7	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	90.1	94.5	96.8	97.9	98.8	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 700	90.2	94.5	96.9	98.0	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
GE 600	90.2	94.5	96.9	98.1	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 500	90.2	94.5	96.9	98.1	99.1	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 400	90.2	94.5	96.9	98.1	99.1	99.3	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 300	90.2	94.5	96.9	98.1	99.1	99.3	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	90.2	94.5	96.9	98.1	99.1	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	90.2	94.5	96.9	98.1	99.1	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	90.2	94.5	96.9	98.1	99.1	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.3	67.2	68.4	68.9	70.1	70.4	70.5	70.5	70.5	70.6	70.8	70.9	70.9	70.9	70.9	70.9
GE 20000	68.8	72.0	73.5	74.3	75.6	75.9	76.0	76.0	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3
GE 18000	68.9	72.2	73.7	74.4	75.7	76.0	76.1	76.1	76.1	76.2	76.3	76.5	76.5	76.5	76.5	76.5
GE 16000	68.9	72.2	73.7	74.4	75.7	76.0	76.1	76.1	76.1	76.2	76.3	76.5	76.5	76.5	76.5	76.5
GE 14000	68.9	72.2	73.7	74.4	75.7	76.0	76.1	76.1	76.1	76.2	76.3	76.5	76.5	76.5	76.5	76.5
GE 12000	69.5	72.7	74.2	74.9	76.2	76.6	76.7	76.7	76.7	76.8	76.9	77.0	77.0	77.0	77.0	77.0
GE 10000	73.1	76.5	78.1	78.9	80.2	80.5	80.6	80.6	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0
GE 9000	74.0	77.5	79.1	80.0	81.3	81.6	81.7	81.7	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.0
GE 8000	75.6	79.1	80.8	81.7	83.0	83.4	83.5	83.5	83.5	83.7	83.8	83.9	83.9	83.9	83.9	83.9
GE 7000	75.6	79.2	80.9	81.8	83.1	83.5	83.7	83.7	83.7	83.8	83.9	84.0	84.0	84.0	84.0	84.0
GE 6000	75.9	79.6	81.3	82.3	83.5	84.0	84.1	84.1	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4
GE 5000	76.9	80.5	82.3	83.2	84.5	84.9	85.1	85.1	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4
GE 4500	77.3	81.0	82.7	83.7	84.9	85.4	85.5	85.5	85.5	85.6	85.7	85.8	85.8	85.8	85.8	85.8
GE 4000	79.7	83.4	85.2	86.2	87.6	88.1	88.2	88.2	88.2	88.3	88.4	88.5	88.5	88.5	88.5	88.5
GE 3500	81.1	84.9	86.7	87.7	89.4	89.8	90.0	90.0	90.0	90.1	90.2	90.3	90.3	90.3	90.3	90.3
GE 3000	84.9	88.8	90.6	91.7	93.4	94.0	94.2	94.2	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.6
GE 2500	84.9	88.9	90.8	91.9	93.7	94.2	94.4	94.4	94.4	94.7	94.8	94.9	94.9	94.9	94.9	94.9
GE 2000	85.7	90.0	91.8	93.1	94.8	95.4	95.6	95.6	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1
GE 1800	86.0	90.3	92.2	93.4	95.2	95.7	95.9	95.9	95.9	96.2	96.3	96.5	96.5	96.5	96.5	96.5
GE 1500	86.5	90.8	92.8	94.3	96.0	96.6	96.8	96.8	96.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3
GE 1200	86.7	91.0	93.2	94.7	96.5	97.0	97.2	97.2	97.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7
GE 1000	86.8	91.2	93.5	95.2	97.1	97.7	98.2	98.2	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7
GE 900	86.8	91.2	93.5	95.2	97.1	97.7	98.2	98.2	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7
GE 800	86.8	91.3	93.7	95.3	97.2	97.8	98.3	98.3	98.3	98.6	98.7	98.8	98.8	98.8	98.8	98.8
GE 700	86.9	91.5	94.1	95.7	97.6	98.3	98.7	98.7	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2
GE 600	86.9	91.5	94.1	95.7	97.7	98.4	98.8	98.8	98.8	99.1	99.2	99.4	99.4	99.4	99.4	99.4
GE 500	86.9	91.5	94.1	95.8	97.8	98.5	98.9	98.9	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5
GE 400	87.0	91.6	94.2	95.9	98.0	98.6	99.1	99.1	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 300	87.0	91.6	94.2	95.9	98.1	98.7	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.9
GE 200	87.0	91.6	94.2	95.9	98.1	98.7	99.2	99.2	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.9
GE 100	87.0	91.6	94.3	96.0	98.2	98.8	99.4	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0
GE 000	87.0	91.6	94.3	96.0	98.2	98.8	99.4	99.4	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.8	60.3	61.4	62.4	64.7	64.9	65.4	65.6	65.9	66.1	66.1	66.1	66.2	66.3	66.6	66.9
GE 20000	60.9	64.0	65.1	66.2	68.7	68.9	69.5	69.7	70.0	70.2	70.2	70.2	70.3	70.4	70.6	71.0
GE 18000	60.9	64.0	65.1	66.2	68.7	68.9	69.5	69.7	70.0	70.2	70.2	70.2	70.3	70.4	70.6	71.0
GE 16000	60.9	64.0	65.1	66.2	68.7	68.9	69.5	69.7	70.0	70.2	70.2	70.2	70.3	70.4	70.6	71.0
GE 14000	60.9	64.0	65.1	66.2	68.7	68.9	69.5	69.7	70.0	70.2	70.2	70.2	70.3	70.4	70.6	71.0
GE 12000	62.0	65.2	66.2	67.4	69.9	70.1	70.6	70.9	71.2	71.4	71.4	71.4	71.5	71.6	71.8	72.2
GE 10000	65.2	68.4	69.5	70.8	73.2	73.4	74.0	74.2	74.5	74.7	74.7	74.7	74.8	74.9	75.2	75.5
GE 9000	66.7	70.0	71.1	72.4	74.8	75.1	75.6	75.8	76.1	76.3	76.3	76.3	76.5	76.6	76.8	77.1
GE 8000	68.1	71.7	72.9	74.3	76.9	77.1	77.6	77.8	78.2	78.4	78.4	78.4	78.5	78.6	78.8	79.1
GE 7000	68.9	72.6	73.8	75.3	77.8	78.1	78.6	78.8	79.1	79.4	79.4	79.4	79.5	79.6	79.8	80.1
GE 6000	69.0	72.7	74.0	75.5	78.1	78.3	78.8	79.0	79.4	79.6	79.6	79.6	79.7	79.8	80.0	80.3
GE 5000	70.6	74.4	76.1	77.6	80.3	80.5	81.1	81.3	81.6	81.8	81.8	81.8	81.9	82.0	82.3	82.6
GE 4500	71.2	75.2	76.9	78.4	81.1	81.3	81.8	82.0	82.4	82.6	82.6	82.6	82.7	82.8	83.0	83.3
GE 4000	73.5	77.6	79.7	81.4	84.2	84.5	85.1	85.3	85.6	85.8	85.8	85.8	85.9	86.0	86.2	86.6
GE 3500	74.8	78.9	81.0	82.7	85.5	85.8	86.5	86.7	87.0	87.2	87.2	87.2	87.3	87.4	87.6	88.0
GE 3000	77.3	81.8	84.3	86.0	89.1	89.6	90.4	90.6	91.0	91.2	91.2	91.2	91.3	91.4	91.6	91.9
GE 2500	77.5	82.3	84.7	86.7	89.8	90.2	91.1	91.3	91.6	91.8	91.8	91.8	91.9	92.0	92.3	92.6
GE 2000	78.2	82.9	85.5	87.4	90.5	91.0	91.8	92.0	92.4	92.6	92.6	92.6	92.7	92.8	93.0	93.3
GE 1800	78.2	82.9	85.7	87.7	90.9	91.3	92.2	92.4	92.7	92.9	92.9	92.9	93.0	93.1	93.3	93.7
GE 1500	78.6	83.8	86.6	88.9	92.0	92.5	93.3	93.5	93.9	94.1	94.1	94.1	94.2	94.3	94.5	94.8
GE 1200	78.9	84.2	87.1	89.6	92.7	93.1	94.0	94.2	94.5	94.7	94.7	94.7	94.8	94.9	95.2	95.5
GE 1000	79.0	84.5	87.5	90.4	93.8	94.5	95.4	95.6	95.9	96.1	96.1	96.1	96.2	96.3	96.6	96.9
GE 900	79.1	84.6	87.6	90.5	93.9	94.7	95.6	95.8	96.1	96.3	96.3	96.3	96.5	96.6	96.8	97.1
GE 800	79.4	85.1	88.1	91.0	94.3	95.2	96.1	96.3	96.7	96.9	96.9	96.9	97.0	97.1	97.3	97.6
GE 700	79.7	85.4	88.5	91.4	94.7	95.6	96.6	96.8	97.1	97.3	97.3	97.3	97.4	97.5	97.7	98.1
GE 600	79.8	85.5	88.6	91.5	94.9	95.8	96.8	97.0	97.3	97.5	97.5	97.5	97.6	97.7	98.0	98.3
GE 500	79.8	85.5	88.6	91.5	95.1	95.9	96.9	97.1	97.4	97.6	97.6	97.6	97.7	97.8	98.1	98.4
GE 400	79.8	85.5	88.6	91.5	95.4	96.2	97.3	97.5	97.8	98.1	98.1	98.1	98.2	98.3	98.5	98.8
GE 300	79.8	85.5	88.6	91.5	95.6	96.6	97.6	97.8	98.2	98.5	98.5	98.5	98.6	98.7	98.9	99.4
GE 200	79.8	85.5	88.6	91.5	95.7	96.7	97.7	98.0	98.3	98.6	98.6	98.6	98.7	98.8	99.0	99.5
GE 100	79.8	85.5	88.6	91.5	95.7	96.7	97.7	98.0	98.3	98.6	98.6	98.6	98.7	98.8	99.2	99.8
GE 000	79.8	85.5	88.6	91.5	95.7	96.7	97.7	98.0	98.3	98.6	98.6	98.6	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.8	49.2	51.3	52.6	54.1	54.4	54.8	54.8	54.8	55.2	55.3	55.3	55.3	55.4	55.4	55.9
GE 20000	50.6	55.2	57.6	59.1	60.9	61.4	61.9	62.0	62.0	62.4	62.5	62.5	62.5	62.6	62.6	63.1
GE 18000	50.6	55.2	57.6	59.1	60.9	61.4	61.9	62.0	62.0	62.4	62.5	62.5	62.5	62.6	62.6	63.1
GE 16000	50.8	55.3	57.7	59.2	61.0	61.5	62.0	62.2	62.2	62.5	62.6	62.6	62.6	62.7	62.7	63.2
GE 14000	50.9	55.4	57.8	59.4	61.1	61.6	62.2	62.3	62.3	62.6	62.7	62.7	62.7	62.8	62.8	63.3
GE 12000	51.8	56.5	58.9	60.4	62.3	62.8	63.3	63.4	63.4	63.8	63.9	63.9	63.9	64.0	64.0	64.5
GE 10000	55.1	59.7	62.2	63.7	65.5	66.0	66.6	66.7	66.7	67.0	67.1	67.1	67.1	67.2	67.2	67.7
GE 9000	56.8	61.5	64.1	65.6	67.4	68.0	68.5	68.6	68.6	68.9	69.0	69.0	69.0	69.1	69.1	69.7
GE 8000	61.1	66.1	68.9	70.8	72.6	73.2	73.8	73.9	73.9	74.2	74.3	74.3	74.3	74.4	74.4	74.9
GE 7000	62.5	67.7	70.6	72.5	74.4	75.1	75.6	75.7	75.7	76.0	76.1	76.1	76.1	76.2	76.2	76.8
GE 6000	62.9	68.3	71.2	73.1	75.1	75.7	76.2	76.3	76.3	76.7	76.8	76.8	76.8	76.9	76.9	77.4
GE 5000	64.2	69.7	72.7	74.7	76.8	77.4	78.0	78.1	78.1	78.4	78.5	78.5	78.5	78.6	78.6	79.1
GE 4500	64.5	70.2	73.3	75.4	77.4	78.1	78.6	78.7	78.7	79.0	79.1	79.1	79.1	79.2	79.2	79.8
GE 4000	67.4	73.3	76.6	78.6	80.8	81.4	81.9	82.0	82.0	82.4	82.5	82.5	82.5	82.6	82.6	83.1
GE 3500	68.8	75.1	78.4	80.4	82.7	83.3	83.9	84.0	84.0	84.3	84.4	84.4	84.4	84.5	84.5	85.1
GE 3000	71.5	77.7	81.2	83.3	86.0	86.8	87.3	87.4	87.4	87.7	87.8	87.8	87.8	88.0	88.0	88.5
GE 2500	72.3	78.5	81.9	84.1	86.9	87.7	88.3	88.5	88.5	88.8	88.9	88.9	88.9	89.0	89.0	89.6
GE 2000	72.6	78.8	82.3	84.4	87.4	88.3	88.8	89.0	89.0	89.4	89.5	89.5	89.5	89.6	89.6	90.1
GE 1800	72.6	78.8	82.3	84.4	87.5	88.4	88.9	89.1	89.1	89.5	89.6	89.6	89.6	89.7	89.7	90.2
GE 1500	73.1	79.4	82.8	84.9	88.1	88.9	89.5	89.7	89.7	90.0	90.1	90.1	90.1	90.2	90.2	90.8
GE 1200	73.2	79.6	83.1	85.4	88.6	89.5	90.0	90.3	90.3	90.6	90.8	90.8	90.8	90.9	90.9	91.4
GE 1000	73.3	80.1	84.1	86.6	90.2	91.3	91.8	92.2	92.2	92.6	92.7	92.7	92.7	92.8	92.8	93.3
GE 900	73.3	80.1	84.1	86.7	90.3	91.6	92.3	92.6	92.6	93.1	93.2	93.2	93.2	93.3	93.3	93.9
GE 800	73.7	80.4	84.4	87.3	91.5	93.0	93.7	94.1	94.1	94.7	94.8	94.8	94.8	94.9	94.9	95.5
GE 700	73.7	80.4	84.5	87.6	91.8	93.4	94.3	94.7	94.7	95.4	95.5	95.5	95.5	95.6	95.6	96.1
GE 600	73.7	80.4	84.5	87.7	92.4	94.0	94.8	95.4	95.4	96.0	96.1	96.1	96.1	96.2	96.2	96.8
GE 500	73.8	80.5	84.7	88.0	92.7	94.5	95.6	96.2	96.2	96.9	97.1	97.1	97.1	97.2	97.2	97.7
GE 400	73.8	80.5	84.7	88.0	92.8	94.6	95.7	96.5	96.5	97.1	97.3	97.3	97.3	97.4	97.4	98.0
GE 300	73.8	80.5	84.7	88.0	92.9	94.8	96.0	96.8	96.8	97.5	97.8	97.8	98.0	98.1	98.2	98.8
GE 200	73.8	80.5	84.7	88.0	92.9	94.8	96.1	97.1	97.1	98.0	98.3	98.3	98.4	98.5	98.7	99.4
GE 100	73.8	80.5	84.7	88.0	92.9	94.8	96.1	97.1	97.1	98.0	98.3	98.3	98.4	98.5	98.9	99.7
GE 000	73.8	80.5	84.7	88.0	92.9	94.8	96.1	97.1	97.1	98.0	98.3	98.3	98.4	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.9	55.4	56.2	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7
GE 20000	59.7	62.6	63.9	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7
GE 18000	59.9	62.8	64.1	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9
GE 16000	59.9	62.8	64.1	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9
GE 14000	60.1	63.0	64.3	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1
GE 12000	61.5	64.5	65.8	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6
GE 10000	64.8	67.8	69.2	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
GE 9000	66.7	69.7	71.1	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2
GE 8000	71.4	75.2	76.6	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
GE 7000	72.3	76.3	77.7	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0
GE 6000	72.5	76.7	78.1	79.9	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6
GE 5000	74.4	78.7	80.1	81.9	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.8	82.8	82.8
GE 4500	74.8	79.1	80.5	82.4	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.2	83.2	83.2
GE 4000	76.3	80.8	82.3	84.1	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.9	84.9	84.9
GE 3500	76.7	81.2	83.1	84.9	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.8	85.8	85.8
GE 3000	78.3	83.0	85.1	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7	87.8	87.8	87.8
GE 2500	78.6	83.3	85.4	87.4	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.4	88.4	88.4
GE 2000	79.5	84.3	86.6	88.6	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.7	89.7	89.7
GE 1800	79.6	84.4	86.7	88.8	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8	89.9	89.9	89.9
GE 1500	80.5	85.5	87.8	90.3	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.6	91.6	91.6
GE 1200	81.4	86.7	89.1	91.9	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.7	93.7	93.7
GE 1000	81.9	88.0	91.2	94.2	96.0	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.9	96.9	96.9
GE 900	82.0	88.1	91.3	94.4	96.5	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.3	97.3	97.3
GE 800	82.6	88.6	91.8	95.1	97.1	97.5	97.7	97.7	98.0	98.0	98.0	98.0	98.1	98.2	98.2	98.2
GE 700	82.8	88.8	92.0	95.3	97.5	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9
GE 600	82.8	88.8	92.0	95.3	97.6	98.3	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.1	99.1	99.1
GE 500	82.8	88.8	92.0	95.3	97.6	98.5	98.9	99.0	99.2	99.2	99.4	99.4	99.5	99.6	99.6	99.6
GE 400	82.8	88.8	92.0	95.3	97.6	98.5	98.9	99.0	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8
GE 300	82.8	88.8	92.0	95.3	97.6	98.5	98.9	99.0	99.4	99.5	99.7	99.7	99.8	99.9	99.9	99.9
GE 200	82.8	88.8	92.0	95.3	97.6	98.5	98.9	99.0	99.4	99.5	99.7	99.7	99.8	99.9	99.9	99.9
GE 100	82.8	88.8	92.0	95.3	97.6	98.5	98.9	99.0	99.4	99.5	99.7	99.7	99.8	99.9	99.9	99.9
GE 000	82.8	88.9	92.2	95.4	97.7	98.6	99.0	99.1	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.2	59.4	60.0	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 20000	65.2	68.4	69.4	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 18000	65.2	68.4	69.4	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 16000	65.2	68.4	69.4	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 14000	65.4	68.6	69.6	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 12000	66.8	70.2	71.2	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 10000	69.8	73.3	74.5	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 9000	71.4	74.9	76.1	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 8000	75.3	78.8	80.0	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 7000	75.5	79.1	80.4	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 6000	76.1	79.9	81.3	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 5000	77.6	81.4	82.8	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4500	77.8	81.8	83.2	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4000	78.8	83.0	84.5	85.4	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3500	81.1	85.6	87.1	88.0	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 3000	83.4	88.7	90.2	91.2	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2500	84.7	90.1	92.0	93.0	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	85.3	90.9	93.1	94.1	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1800	85.6	91.2	93.5	94.5	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	87.8	93.9	96.3	97.3	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	88.1	94.7	97.4	98.4	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	88.4	95.4	98.2	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	88.5	95.5	98.3	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.6	95.6	98.4	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.9	65.3	66.0	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 20000	69.7	72.6	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 18000	69.7	72.6	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 16000	69.7	72.6	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 14000	69.8	72.7	73.5	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 12000	70.6	73.7	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 10000	73.9	77.1	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 9000	75.4	79.0	80.4	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 8000	78.3	82.2	83.5	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 7000	79.1	83.0	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 6000	79.4	83.2	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 5000	80.6	84.7	86.2	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 4500	80.8	84.8	86.3	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	82.8	86.9	88.5	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 3500	84.1	88.3	90.0	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3000	86.7	91.5	93.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2500	88.2	93.0	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	89.0	94.6	96.9	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	89.2	94.8	97.1	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	90.3	95.9	98.2	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	90.6	96.3	98.6	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.8	96.5	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.7	68.3	69.0	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 20000	72.7	75.7	76.5	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 18000	72.9	75.9	76.7	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 16000	73.0	76.0	76.8	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 14000	73.2	76.2	77.0	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 12000	74.9	78.0	78.8	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 10000	77.8	81.0	81.9	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 9000	79.4	82.6	83.7	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 8000	81.0	84.4	85.5	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 7000	81.8	85.3	86.3	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 6000	82.3	85.7	86.8	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 5000	82.9	86.3	87.5	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	83.1	86.6	87.7	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 4000	84.2	87.7	88.9	90.0	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3500	85.1	89.0	90.3	91.4	92.2	92.4	92.5	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 3000	88.0	92.5	93.9	95.2	96.1	96.3	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	88.2	92.7	94.1	95.4	96.3	96.6	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	88.6	93.4	94.8	96.1	97.1	97.3	97.4	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	88.7	93.7	95.1	96.5	97.4	97.6	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500	89.4	94.3	95.7	97.1	98.1	98.3	98.4	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	89.5	94.5	95.9	97.3	98.3	98.5	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	89.8	94.9	96.5	97.8	98.9	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	89.8	94.9	96.5	97.8	98.9	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	89.8	94.9	96.6	98.0	99.0	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	89.8	94.9	96.6	98.0	99.0	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	89.8	94.9	96.6	98.0	99.0	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	89.8	94.9	96.6	98.0	99.0	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	89.8	94.9	96.6	98.0	99.0	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	89.8	94.9	96.6	98.0	99.0	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	89.8	94.9	96.6	98.0	99.0	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	89.8	94.9	96.6	98.0	99.0	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	89.8	94.9	96.6	98.0	99.0	99.4	99.5	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	69.1	71.5	72.0	72.8	73.2	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 20000	74.0	77.0	77.5	78.3	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 18000	74.0	77.0	77.5	78.3	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 16000	74.0	77.0	77.5	78.3	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 14000	74.0	77.0	77.5	78.3	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 12000	75.1	78.1	78.6	79.4	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 10000	77.8	80.9	81.4	82.2	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 9000	78.6	81.6	82.2	82.9	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 8000	80.3	83.4	84.0	84.7	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 7000	80.8	83.9	84.4	85.2	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 6000	81.1	84.2	84.7	85.7	86.3	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 5000	82.4	85.6	86.1	87.1	87.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4500	82.5	85.7	86.2	87.2	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 4000	84.3	87.6	88.2	89.1	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3500	84.7	88.2	88.9	90.0	90.8	90.8	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3000	87.8	92.2	92.9	94.3	95.3	95.3	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	88.0	92.3	93.0	94.4	95.4	95.4	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	88.7	93.0	93.8	95.3	96.2	96.2	96.8	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	89.1	93.4	94.2	95.9	96.9	96.9	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	89.7	94.0	94.7	96.5	97.5	97.5	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	89.7	94.1	94.8	96.6	97.6	97.6	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	89.9	94.3	95.2	97.1	98.2	98.2	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	89.9	94.3	95.2	97.1	98.2	98.2	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	89.9	94.5	95.4	97.3	98.5	98.6	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	90.0	94.6	95.5	97.4	98.6	98.7	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	90.0	94.6	95.5	97.5	98.7	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.0	94.6	95.5	97.5	98.7	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.0	94.6	95.5	97.5	98.7	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.0	94.6	95.5	97.5	98.7	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.0	94.6	95.5	97.5	98.7	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.0	94.6	95.5	97.5	98.7	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.0	94.6	95.5	97.5	98.7	98.8	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.4	62.1	63.1	63.8	64.6	64.7	64.9	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.2	65.3
GE 20000	65.2	68.4	69.6	70.5	71.4	71.5	71.7	71.7	71.8	71.9	71.9	71.9	71.9	72.0	72.0	72.1
GE 18000	65.3	68.5	69.7	70.6	71.4	71.6	71.8	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.1	72.2
GE 16000	65.3	68.5	69.7	70.6	71.5	71.6	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.2
GE 14000	65.4	68.6	69.8	70.7	71.6	71.7	71.9	71.9	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.3
GE 12000	66.5	69.8	71.1	72.0	72.9	73.0	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.6
GE 10000	69.7	73.1	74.4	75.4	76.2	76.4	76.6	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.9	77.0
GE 9000	71.1	74.6	76.0	77.0	77.8	78.0	78.2	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.5	78.6
GE 8000	73.9	77.6	79.0	80.1	81.0	81.2	81.4	81.4	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.7
GE 7000	74.6	78.4	79.8	80.9	81.8	82.0	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.6
GE 6000	74.9	78.8	80.3	81.4	82.4	82.5	82.7	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.1
GE 5000	76.2	80.2	81.7	82.9	83.9	84.1	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.7
GE 4500	76.5	80.6	82.1	83.3	84.3	84.5	84.7	84.8	84.8	84.9	84.9	84.9	84.9	85.0	85.0	85.1
GE 4000	78.4	82.6	84.2	85.5	86.6	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.4
GE 3500	79.5	83.9	85.7	87.0	88.1	88.4	88.6	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.1
GE 3000	82.2	87.0	89.0	90.4	91.7	92.0	92.3	92.4	92.4	92.5	92.6	92.6	92.6	92.7	92.7	92.8
GE 2500	82.8	87.6	89.7	91.1	92.4	92.8	93.1	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.5	93.6
GE 2000	83.4	88.5	90.6	92.1	93.5	93.8	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.5	94.5	94.6
GE 1800	83.6	88.7	90.8	92.4	93.8	94.1	94.4	94.5	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.9
GE 1500	84.5	89.7	91.9	93.5	95.0	95.3	95.6	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.1
GE 1200	84.8	90.1	92.4	94.2	95.6	96.0	96.3	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.8
GE 1000	85.0	90.6	93.1	95.0	96.7	97.1	97.5	97.6	97.6	97.8	97.8	97.9	97.9	97.9	98.0	98.1
GE 900	85.0	90.6	93.1	95.1	96.8	97.2	97.6	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.2
GE 800	85.2	90.9	93.4	95.4	97.2	97.7	98.1	98.2	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.7
GE 700	85.3	91.0	93.5	95.6	97.4	97.9	98.4	98.5	98.6	98.8	98.8	98.8	98.8	98.9	98.9	99.0
GE 600	85.3	91.0	93.5	95.6	97.5	98.1	98.5	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.2
GE 500	85.3	91.0	93.6	95.6	97.6	98.2	98.7	98.8	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.4
GE 400	85.3	91.0	93.6	95.6	97.6	98.3	98.8	98.9	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.5
GE 300	85.3	91.0	93.6	95.6	97.7	98.3	98.9	99.0	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.7
GE 200	85.3	91.0	93.6	95.6	97.7	98.3	98.9	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.8
GE 100	85.3	91.0	93.6	95.7	97.7	98.4	98.9	99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.9
GE 000	85.3	91.0	93.6	95.7	97.7	98.4	98.9	99.1	99.2	99.4	99.5	99.6	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.9	69.0	69.8	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
GE 20000	71.0	73.2	74.1	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
GE 18000	71.3	73.6	74.4	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
GE 16000	71.3	73.6	74.4	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
GE 14000	71.3	73.6	74.4	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
GE 12000	72.1	74.3	75.2	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
GE 10000	74.2	76.6	77.6	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2
GE 9000	75.6	77.9	79.0	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7
GE 8000	78.4	80.8	81.9	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
GE 7000	79.2	81.6	82.7	83.3	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8
GE 6000	79.8	82.3	83.4	84.2	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7
GE 5000	80.8	83.3	84.4	85.4	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9
GE 4500	81.0	83.6	84.7	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1
GE 4000	82.4	85.1	86.4	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
GE 3500	83.9	86.8	88.6	90.1	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
GE 3000	86.9	90.0	92.2	93.9	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2
GE 2500	87.2	90.3	92.9	94.6	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9
GE 2000	87.7	90.8	93.3	95.1	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
GE 1800	87.8	90.9	93.4	95.2	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6
GE 1500	88.8	92.0	94.6	96.3	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GE 1200	88.9	92.2	94.9	96.7	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0
GE 1000	89.2	92.7	95.3	97.2	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
GE 900	89.6	93.0	95.7	97.7	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 800	89.7	93.1	95.9	97.9	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 700	89.9	93.6	96.3	98.3	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 600	89.9	93.6	96.3	98.3	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
GE 500	89.9	93.7	96.4	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 400	89.9	93.7	96.4	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 300	89.9	93.7	96.4	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 200	89.9	93.7	96.4	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	89.9	93.7	96.4	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 000	89.9	93.7	96.4	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.0	65.2	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.8
GE 20000	66.9	69.3	70.8	71.2	71.6	71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.2
GE 18000	67.1	69.6	71.0	71.4	71.8	71.9	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.4
GE 16000	67.1	69.6	71.0	71.4	71.8	71.9	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.4
GE 14000	67.1	69.6	71.0	71.4	71.8	71.9	71.9	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.4
GE 12000	67.8	70.2	71.7	72.1	72.4	72.6	72.6	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	73.1
GE 10000	69.8	72.4	74.1	74.6	74.9	75.0	75.0	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.6
GE 9000	70.6	73.2	74.9	75.3	75.7	75.8	75.8	75.8	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.3
GE 8000	74.3	77.1	78.9	79.3	79.8	79.9	79.9	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.4
GE 7000	75.6	78.4	80.4	81.0	81.4	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	82.1
GE 6000	76.1	79.1	81.1	81.8	82.2	82.3	82.3	82.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.9
GE 5000	77.9	80.9	82.9	83.6	84.0	84.1	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.7
GE 4500	78.4	81.6	83.7	84.3	84.8	84.9	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.4
GE 4000	80.1	83.4	85.9	86.6	87.0	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.7
GE 3500	80.7	84.1	87.2	88.0	88.6	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.2
GE 3000	83.7	87.2	90.9	91.7	92.3	92.4	92.4	92.4	92.4	92.8	92.8	92.8	92.8	92.8	92.8	93.0
GE 2500	84.0	87.6	91.3	92.2	93.1	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.8
GE 2000	85.1	88.7	92.4	93.4	94.4	94.6	94.6	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	95.1
GE 1800	85.4	89.0	92.8	93.8	94.8	94.9	94.9	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.4
GE 1500	86.2	90.0	93.8	94.8	95.8	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.6
GE 1200	87.0	90.8	94.6	95.7	96.7	96.9	96.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.4
GE 1000	87.1	90.9	95.0	96.1	97.1	97.6	97.6	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	98.1
GE 900	87.2	91.1	95.3	96.6	97.6	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.6
GE 800	87.6	91.4	95.8	97.0	98.0	98.4	98.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	99.0
GE 700	87.6	91.6	96.2	97.4	98.6	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.6
GE 600	87.6	91.6	96.2	97.4	98.6	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.6
GE 500	87.6	91.6	96.2	97.4	98.6	99.0	99.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.6
GE 400	87.6	91.6	96.2	97.6	98.9	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.9
GE 300	87.6	91.6	96.2	97.6	98.9	99.3	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	87.6	91.6	96.2	97.6	98.9	99.3	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	87.6	91.6	96.2	97.6	98.9	99.3	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	87.6	91.6	96.2	97.6	98.9	99.3	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.6	57.2	59.0	60.0	60.6	60.8	60.9	61.0	61.0	61.0	61.1	61.1	61.2	61.2	61.2	61.7
GE 20000	57.0	61.8	63.7	64.7	65.2	65.4	65.6	65.7	65.7	65.7	65.8	65.8	65.9	65.9	65.9	66.3
GE 18000	57.3	62.1	64.0	65.0	65.6	65.8	65.9	66.0	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.7
GE 16000	57.4	62.2	64.1	65.1	65.7	65.9	66.0	66.1	66.1	66.1	66.2	66.2	66.3	66.3	66.3	66.8
GE 14000	57.6	62.3	64.2	65.2	65.8	66.0	66.1	66.2	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.9
GE 12000	58.6	63.3	65.2	66.2	66.8	67.1	67.3	67.4	67.4	67.4	67.6	67.6	67.7	67.7	67.7	68.1
GE 10000	61.0	66.1	68.0	69.0	69.6	69.9	70.2	70.3	70.3	70.3	70.4	70.4	70.6	70.6	70.6	71.0
GE 9000	61.6	66.7	68.8	70.0	70.8	71.1	71.4	71.6	71.6	71.6	71.7	71.7	71.8	71.8	71.8	72.2
GE 8000	65.4	70.9	73.2	74.4	75.4	76.0	76.3	76.4	76.4	76.4	76.6	76.6	76.7	76.7	76.7	77.1
GE 7000	66.9	72.4	74.9	76.2	77.4	78.0	78.4	78.6	78.6	78.6	78.7	78.7	78.8	78.8	78.8	79.2
GE 6000	67.1	72.9	75.3	76.7	78.0	78.6	79.0	79.1	79.1	79.1	79.2	79.2	79.3	79.3	79.3	79.8
GE 5000	68.6	74.4	76.9	78.3	79.7	80.2	80.7	80.8	80.8	80.8	80.9	80.9	81.0	81.0	81.0	81.4
GE 4500	68.8	74.7	77.1	78.6	79.9	80.4	80.9	81.0	81.0	81.0	81.1	81.1	81.2	81.2	81.2	81.7
GE 4000	70.2	76.3	79.1	81.0	82.3	82.9	83.3	83.4	83.4	83.4	83.6	83.6	83.7	83.7	83.7	84.1
GE 3500	71.2	77.3	80.2	82.2	83.7	84.4	84.9	85.0	85.0	85.0	85.1	85.1	85.2	85.2	85.2	85.7
GE 3000	74.8	81.0	83.9	86.2	87.7	88.4	88.9	89.0	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.7
GE 2500	75.2	81.4	84.3	86.7	88.1	88.9	89.3	89.4	89.4	89.4	89.6	89.6	89.7	89.7	89.7	90.1
GE 2000	77.0	83.4	86.7	89.0	90.4	91.2	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.4
GE 1800	77.2	83.7	87.0	89.3	90.8	91.6	92.0	92.1	92.1	92.1	92.2	92.2	92.3	92.3	92.3	92.8
GE 1500	77.6	84.1	87.7	90.1	91.6	92.3	92.8	92.9	92.9	92.9	93.0	93.0	93.1	93.1	93.1	93.6
GE 1200	78.7	85.4	89.2	91.8	93.6	94.3	94.8	94.9	94.9	94.9	95.0	95.0	95.1	95.1	95.1	95.6
GE 1000	79.1	85.9	89.8	92.3	94.2	95.0	95.4	95.6	95.6	95.6	95.7	95.7	95.8	95.8	95.8	96.2
GE 900	79.3	86.2	90.1	92.7	94.6	95.3	95.8	95.9	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.6
GE 800	79.4	86.3	90.6	93.1	95.3	96.1	96.6	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.9	97.3
GE 700	79.7	86.7	90.9	93.6	96.0	97.0	97.4	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.8	98.2
GE 600	79.8	86.8	91.0	93.9	96.4	97.4	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.9
GE 500	79.9	87.0	91.3	94.3	97.0	98.2	98.9	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.7
GE 400	79.9	87.0	91.3	94.4	97.2	98.4	99.1	99.2	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.9
GE 300	79.9	87.0	91.3	94.4	97.2	98.4	99.1	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	100.0
GE 200	79.9	87.0	91.3	94.4	97.2	98.4	99.1	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	100.0
GE 100	79.9	87.0	91.3	94.4	97.2	98.4	99.1	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	100.0
GE 000	79.9	87.0	91.3	94.4	97.2	98.4	99.1	99.3	99.3	99.3	99.4	99.4	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.2	59.8	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6	60.6
GE 20000	62.9	66.9	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
GE 18000	63.2	67.2	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0
GE 16000	63.2	67.2	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0
GE 14000	63.3	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4
GE 12000	64.0	68.2	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
GE 10000	66.6	70.9	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8
GE 9000	67.7	72.0	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9
GE 8000	71.0	75.6	76.2	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9
GE 7000	72.9	77.4	78.2	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
GE 6000	73.9	78.7	79.4	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3
GE 5000	74.7	79.4	80.2	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2
GE 4500	74.8	79.6	80.3	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3
GE 4000	76.9	81.7	82.6	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8
GE 3500	78.3	83.2	84.2	84.7	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7
GE 3000	80.9	85.9	87.3	88.0	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
GE 2500	82.3	87.6	89.0	89.7	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7
GE 2000	83.3	89.1	90.7	91.4	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4
GE 1800	83.6	89.4	91.0	91.8	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.8
GE 1500	84.6	91.3	93.2	94.0	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0
GE 1200	85.2	92.3	94.4	95.3	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6
GE 1000	85.3	92.6	94.8	95.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
GE 900	85.4	92.7	95.0	96.1	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
GE 800	85.6	92.8	95.2	96.3	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
GE 700	85.9	93.1	95.6	96.8	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 600	86.1	93.6	96.0	97.2	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
GE 500	86.2	93.8	96.2	97.4	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 400	86.3	93.9	96.3	97.6	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 300	86.3	93.9	96.3	97.6	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	86.3	93.9	96.3	97.6	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	86.3	93.9	96.3	97.6	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	86.3	93.9	96.3	97.6	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.1	59.6	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 20000	66.2	68.9	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 18000	66.9	69.6	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 16000	66.9	69.6	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 14000	67.6	70.2	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	68.8	71.4	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	71.0	74.0	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 9000	71.6	74.6	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 8000	74.4	77.7	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 7000	76.0	79.3	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 6000	76.9	80.4	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 5000	78.0	82.1	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 4500	78.3	82.4	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4000	79.7	84.0	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3500	80.4	84.9	86.3	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3000	82.7	87.7	89.2	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500	84.4	90.0	91.6	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2000	86.0	91.8	93.3	94.2	94.4	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1800	86.2	92.6	94.2	95.1	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1500	86.9	93.4	95.3	96.2	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	87.2	94.0	96.2	97.3	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	87.2	94.2	96.4	97.6	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	87.6	94.6	96.8	97.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	88.1	95.1	97.3	98.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	88.2	95.2	97.4	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	88.2	95.4	97.7	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	88.2	95.4	97.7	98.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	88.2	95.4	97.7	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.2	95.4	97.7	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.2	95.4	97.7	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.2	95.4	97.7	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.2	95.4	97.7	98.9	99.4	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.2	62.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 20000	68.3	70.4	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 18000	68.6	70.7	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 16000	68.6	70.7	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 14000	69.3	71.4	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 12000	70.4	73.0	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 10000	74.3	76.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 9000	74.9	77.4	78.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 8000	77.4	80.3	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 7000	78.9	81.8	83.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 6000	79.4	82.4	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 5000	80.6	84.1	85.4	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4500	80.8	84.3	85.8	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4000	81.9	85.6	87.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3500	82.7	86.4	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	85.1	89.2	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	86.3	90.7	92.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	87.0	91.7	93.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	87.1	91.9	94.0	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	87.6	92.3	94.4	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1200	88.0	93.2	95.3	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	89.0	94.2	96.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	89.1	94.4	96.7	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.1	94.4	96.7	98.8	99.4	99.4	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.2	68.3	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 20000	71.9	74.6	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 18000	72.0	74.7	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 16000	72.0	74.7	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 14000	72.2	74.9	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 12000	72.8	75.6	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 10000	75.7	78.7	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 9000	76.4	79.6	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 8000	79.1	82.4	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 7000	80.6	83.9	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 6000	80.7	84.1	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 5000	81.6	85.0	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4500	82.1	85.6	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 4000	84.0	87.7	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3500	85.8	89.7	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 3000	87.8	91.9	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2500	88.4	92.6	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	88.8	93.2	94.4	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	88.8	93.6	94.9	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	89.6	94.3	95.8	96.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	90.1	94.9	96.3	96.9	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	90.6	95.6	97.0	97.6	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	90.8	95.8	97.3	97.9	98.6	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
GE 800	90.8	95.8	97.3	97.9	98.6	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
GE 700	90.8	95.8	97.3	97.9	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 600	90.8	95.8	97.4	98.0	98.8	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 500	90.9	95.9	97.6	98.2	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	90.9	95.9	97.6	98.2	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	90.9	95.9	97.6	98.2	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	90.9	95.9	97.6	98.2	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	90.9	95.9	97.6	98.2	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	90.9	95.9	97.6	98.2	99.0	99.4	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	71.1	71.8	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 20000	75.2	76.1	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 18000	75.4	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 16000	75.4	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 14000	75.4	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 12000	75.8	76.8	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 10000	77.2	78.2	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 9000	78.1	79.1	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 8000	80.8	82.0	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 7000	82.1	83.3	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 6000	82.7	83.9	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 5000	83.8	85.1	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4500	84.2	85.6	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4000	85.8	87.1	87.8	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3500	87.0	88.7	89.4	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 3000	89.8	91.8	92.8	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2500	90.6	92.9	94.0	95.0	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2000	91.0	93.3	94.4	95.4	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	91.1	93.4	94.6	95.6	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1500	91.9	94.2	95.3	96.4	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200	92.1	94.8	95.9	97.0	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	92.2	95.0	96.1	97.2	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	92.2	95.1	96.2	97.6	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	92.2	95.1	96.2	97.6	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	92.2	95.2	96.3	97.7	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	92.4	95.6	96.7	98.1	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	92.7	95.8	97.1	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	92.7	95.8	97.1	98.6	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	92.7	95.8	97.1	98.6	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	92.7	95.8	97.1	98.6	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	92.7	95.8	97.1	98.6	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	92.7	95.8	97.1	98.6	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.7	64.1	65.1	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8
GE 20000	67.4	70.2	71.1	71.5	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9
GE 18000	67.7	70.5	71.4	71.8	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2
GE 16000	67.8	70.5	71.5	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2
GE 14000	68.0	70.7	71.7	72.1	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.5
GE 12000	68.8	71.6	72.6	73.0	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4
GE 10000	71.2	74.2	75.3	75.7	75.8	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1
GE 9000	72.0	75.1	76.2	76.6	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0
GE 8000	75.1	78.3	79.5	80.0	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6
GE 7000	76.5	79.8	81.0	81.6	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2
GE 6000	77.1	80.5	81.7	82.3	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	83.0
GE 5000	78.2	81.8	83.1	83.7	84.1	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4
GE 4500	78.6	82.2	83.4	84.1	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.8
GE 4000	80.1	83.9	85.3	86.1	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.8
GE 3500	81.3	85.1	86.8	87.7	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.5
GE 3000	83.9	88.1	90.0	91.1	91.6	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.1
GE 2500	84.8	89.1	91.2	92.3	92.8	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.3
GE 2000	85.7	90.3	92.4	93.6	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.7
GE 1800	85.9	90.6	92.7	94.0	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.2
GE 1500	86.6	91.5	93.8	95.0	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.3
GE 1200	87.2	92.2	94.6	96.0	96.8	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.4
GE 1000	87.5	92.6	95.1	96.5	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.1
GE 900	87.7	92.9	95.4	96.9	97.8	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5
GE 800	87.8	93.0	95.6	97.1	98.2	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
GE 700	87.9	93.2	95.8	97.4	98.5	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 600	88.0	93.3	96.0	97.6	98.7	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 500	88.1	93.4	96.2	97.8	98.9	99.2	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 400	88.1	93.5	96.2	97.8	99.0	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 300	88.1	93.5	96.2	97.8	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 200	88.1	93.5	96.2	97.8	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 100	88.1	93.5	96.2	97.8	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	88.1	93.5	96.2	97.8	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.9	63.4	63.8	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.6	64.6
GE 20000	66.1	66.8	67.1	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
GE 18000	66.1	66.8	67.1	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
GE 16000	66.1	66.8	67.1	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0	68.0
GE 14000	66.7	67.3	67.6	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.5	68.5
GE 12000	67.4	68.1	68.4	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.2	69.2
GE 10000	69.0	69.7	70.0	70.3	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	71.0	71.0
GE 9000	70.0	70.6	71.0	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.9	71.9
GE 8000	71.8	72.5	72.9	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.9	73.9
GE 7000	73.0	73.8	74.4	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.6	75.6
GE 6000	73.2	74.0	74.6	75.1	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.8	75.8
GE 5000	74.4	75.3	76.0	76.7	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.5	77.5
GE 4500	74.9	75.8	76.8	77.4	77.7	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.4	78.4
GE 4000	76.2	77.1	78.4	79.1	79.5	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.1	80.1
GE 3500	77.8	79.0	80.3	81.2	81.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.2	82.2
GE 3000	79.6	80.9	82.2	83.3	83.8	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.4	84.4
GE 2500	80.3	81.9	83.3	84.6	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.7	85.7
GE 2000	81.6	83.7	85.3	86.7	87.2	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.8	87.8
GE 1800	82.2	84.3	85.9	87.3	87.8	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.5	88.5
GE 1500	83.5	85.7	87.5	88.9	89.5	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.2	90.2
GE 1200	84.2	86.5	88.4	90.0	90.8	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.8	91.8
GE 1000	84.4	86.7	88.7	90.4	91.3	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.4	92.4
GE 900	84.6	86.9	89.1	91.2	92.0	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.1	93.1
GE 800	84.9	87.3	89.7	92.3	93.4	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5	94.5
GE 700	85.1	87.5	89.9	92.6	93.9	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.8	95.2	95.2
GE 600	85.3	88.0	90.6	93.5	95.3	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.6	96.6
GE 500	85.3	88.0	91.0	94.0	95.8	96.5	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.3	97.6	97.6
GE 400	85.5	88.2	91.2	94.2	96.3	97.1	97.4	97.8	98.1	98.1	98.1	98.1	98.2	98.2	98.5	98.5
GE 300	85.5	88.2	91.2	94.2	96.3	97.1	97.5	98.0	98.2	98.3	98.3	98.3	98.4	98.4	98.7	98.9
GE 200	85.5	88.2	91.2	94.2	96.5	97.2	97.7	98.3	98.5	98.6	99.0	99.0	99.2	99.2	99.6	99.8
GE 100	85.5	88.2	91.2	94.2	96.5	97.2	97.7	98.3	98.5	98.6	99.0	99.0	99.4	99.4	99.7	100.0
GE 000	85.5	88.2	91.2	94.2	96.5	97.2	97.7	98.3	98.5	98.6	99.0	99.0	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.2	59.0	59.7	60.8	61.0	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.7
GE 20000	61.7	62.9	63.5	64.6	64.8	64.9	65.3	65.3	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6
GE 18000	62.0	63.2	63.9	64.9	65.2	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.9	65.9	65.9	65.9
GE 16000	62.3	63.4	64.1	65.2	65.4	65.5	65.8	65.8	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.1
GE 14000	62.3	63.4	64.1	65.2	65.4	65.5	65.8	65.8	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.1
GE 12000	63.1	64.3	64.9	66.0	66.2	66.3	66.7	66.7	66.8	66.8	66.8	66.8	67.0	67.0	67.0	67.0
GE 10000	64.6	65.8	66.5	67.6	67.8	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.6
GE 9000	65.2	66.3	67.0	68.2	68.4	68.5	68.8	68.8	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.1
GE 8000	68.2	69.5	70.1	71.3	71.5	71.6	71.9	71.9	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3
GE 7000	69.7	71.0	71.6	72.8	73.0	73.1	73.4	73.4	73.5	73.5	73.5	73.5	73.8	73.8	73.8	73.8
GE 6000	69.9	71.2	71.8	73.0	73.2	73.3	73.7	73.7	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.0
GE 5000	71.5	72.9	73.7	74.8	75.2	75.3	75.6	75.6	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9
GE 4500	71.8	73.2	74.1	75.3	75.6	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.3
GE 4000	73.0	74.6	75.6	76.8	77.3	77.4	77.7	77.7	77.8	77.8	77.8	77.8	78.1	78.1	78.1	78.1
GE 3500	74.6	76.6	77.5	78.7	79.2	79.4	79.8	79.8	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.1
GE 3000	75.6	77.6	78.8	80.3	80.9	81.0	81.4	81.4	81.5	81.5	81.5	81.5	81.7	81.7	81.7	81.7
GE 2500	77.4	79.6	80.9	82.4	82.9	83.0	83.7	83.7	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0
GE 2000	78.8	81.3	82.9	84.4	84.9	85.1	85.7	85.7	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0
GE 1800	79.4	81.8	83.4	84.9	85.5	85.6	86.2	86.2	86.3	86.3	86.3	86.3	86.6	86.6	86.6	86.6
GE 1500	80.6	83.2	84.9	86.7	87.5	87.6	88.3	88.3	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6
GE 1200	81.1	83.7	85.6	87.4	88.4	88.5	89.2	89.2	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6
GE 1000	81.7	84.6	86.9	88.8	89.8	89.9	90.6	90.6	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
GE 900	81.7	84.6	87.0	89.5	90.8	90.9	91.6	91.6	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9
GE 800	82.2	85.1	87.7	90.5	91.8	91.9	92.8	92.8	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1
GE 700	82.3	85.3	88.0	91.3	92.8	92.9	93.8	93.9	94.0	94.0	94.1	94.1	94.3	94.3	94.3	94.3
GE 600	82.5	85.8	88.5	91.8	93.7	94.0	94.8	94.9	95.1	95.2	95.3	95.3	95.5	95.5	95.5	95.5
GE 500	82.5	85.8	88.5	92.4	94.5	95.2	96.3	96.6	96.7	96.8	97.0	97.0	97.2	97.2	97.2	97.2
GE 400	82.5	85.8	88.5	92.4	94.8	95.5	96.8	97.3	97.6	97.7	98.0	98.0	98.2	98.2	98.2	98.2
GE 300	82.5	85.8	88.5	92.4	94.8	95.5	96.8	97.3	97.6	97.8	98.2	98.2	98.5	98.5	98.5	98.6
GE 200	82.5	85.8	88.5	92.4	94.8	95.5	96.8	97.3	97.6	97.8	98.4	98.4	98.7	98.7	98.7	98.9
GE 100	82.5	85.8	88.5	92.4	94.8	95.5	96.8	97.3	97.6	97.8	98.4	98.4	98.7	98.7	98.9	99.5
GE 000	82.5	85.8	88.5	92.4	94.8	95.5	96.8	97.3	97.6	97.8	98.4	98.4	98.7	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	51.0	52.3	52.9	53.1	53.4	53.4	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.9
GE 20000	52.8	55.9	57.3	58.0	58.2	58.5	58.5	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0
GE 18000	53.5	56.7	58.1	58.8	59.0	59.4	59.4	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9
GE 16000	53.5	56.7	58.1	58.8	59.0	59.4	59.4	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9
GE 14000	53.7	56.8	58.2	58.9	59.1	59.5	59.5	59.6	59.8	59.8	59.9	59.9	59.9	59.9	59.9	60.0
GE 12000	54.1	57.2	58.6	59.4	59.6	59.9	59.9	60.0	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4
GE 10000	56.8	59.9	61.3	62.0	62.3	62.6	62.6	62.7	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.1
GE 9000	57.6	60.8	62.2	62.9	63.2	63.7	63.7	63.8	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.2
GE 8000	61.9	65.4	66.9	67.6	68.0	68.4	68.4	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.9
GE 7000	63.5	67.3	68.8	69.6	69.9	70.3	70.3	70.4	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.9
GE 6000	64.4	68.2	69.7	70.4	70.8	71.2	71.2	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.7
GE 5000	65.9	69.9	71.7	72.6	72.9	73.3	73.3	73.4	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.9
GE 4500	66.6	70.5	72.4	73.2	73.5	74.0	74.0	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.5
GE 4000	68.1	72.5	74.5	75.5	75.9	76.3	76.3	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.9
GE 3500	69.1	73.5	75.8	76.8	77.2	77.6	77.6	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.2
GE 3000	70.6	75.4	78.0	79.2	79.9	80.3	80.3	80.4	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.9
GE 2500	71.7	76.6	79.4	81.0	81.7	82.2	82.2	82.3	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7
GE 2000	72.7	77.5	80.4	82.3	83.2	83.7	83.9	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.4
GE 1800	73.1	78.2	81.2	83.0	84.0	84.4	84.6	84.7	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.2
GE 1500	74.7	80.0	83.0	85.1	86.2	86.7	86.9	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.4
GE 1200	75.5	80.8	83.9	86.2	87.5	88.0	88.2	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.7
GE 1000	76.0	81.5	85.1	87.8	89.6	90.0	90.2	90.3	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.8
GE 900	76.0	81.5	85.4	88.3	90.0	90.5	90.8	90.9	91.1	91.1	91.3	91.3	91.3	91.3	91.4	91.5
GE 800	76.7	82.2	86.1	89.5	91.5	92.0	92.3	92.5	92.7	92.7	92.9	92.9	92.9	92.9	93.0	93.1
GE 700	76.8	82.5	86.5	89.9	92.2	93.0	93.3	93.8	94.0	94.0	94.2	94.2	94.2	94.2	94.3	94.4
GE 600	77.1	83.0	87.0	90.6	93.1	94.0	94.3	94.7	94.9	94.9	95.2	95.2	95.3	95.3	95.4	95.5
GE 500	77.1	83.0	87.1	91.0	93.8	94.7	95.2	95.6	95.8	95.8	96.0	96.0	96.1	96.1	96.2	96.3
GE 400	77.1	83.0	87.1	91.1	94.1	95.2	95.9	96.6	96.8	96.9	97.2	97.2	97.3	97.3	97.4	97.5
GE 300	77.2	83.1	87.2	91.3	94.3	95.4	96.1	96.8	97.0	97.3	97.6	97.7	97.8	97.8	98.0	98.4
GE 200	77.2	83.1	87.2	91.3	94.4	95.5	96.2	96.9	97.1	97.4	97.7	97.8	98.2	98.2	98.6	99.2
GE 100	77.2	83.1	87.2	91.3	94.4	95.5	96.2	96.9	97.1	97.4	97.7	97.8	98.2	98.2	98.6	99.7
GE 000	77.2	83.1	87.2	91.3	94.4	95.5	96.2	96.9	97.1	97.4	97.7	97.8	98.2	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.2	49.4	49.5	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 20000	54.1	55.6	55.9	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 18000	54.9	56.5	56.8	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 16000	54.9	56.5	56.8	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 14000	55.1	56.7	57.0	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 12000	55.9	58.0	58.3	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 10000	58.2	60.3	60.6	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 9000	58.8	61.0	61.3	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	61.9	64.2	64.6	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 7000	63.5	66.0	66.5	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 6000	64.4	66.9	67.4	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 5000	65.2	67.7	68.3	68.4	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4500	66.5	69.0	69.8	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4000	68.0	70.6	71.8	71.9	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3500	69.7	72.4	73.7	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 3000	72.0	74.8	76.2	76.6	77.3	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 2500	73.1	76.0	77.4	77.8	79.0	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 2000	74.7	77.8	79.5	79.9	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	75.8	78.9	80.5	81.0	82.5	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 1500	77.4	81.0	82.8	83.3	84.9	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1200	78.8	82.9	84.8	85.8	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1000	80.2	84.9	87.3	88.9	91.0	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 900	80.9	85.7	88.3	90.3	92.4	92.5	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 800	81.3	86.1	88.8	90.9	93.7	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	81.3	86.7	89.7	92.0	94.9	95.5	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 600	81.4	87.0	90.2	92.8	95.8	96.3	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	81.6	87.3	90.5	93.2	96.6	97.1	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	81.6	87.3	90.5	93.3	96.7	97.4	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	81.6	87.3	90.5	93.4	96.8	97.5	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.4
GE 200	81.6	87.3	90.5	93.4	96.8	97.5	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.5
GE 100	81.6	87.3	90.5	93.4	96.8	97.5	98.4	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.2	99.8
GE 000	81.6	87.3	90.5	93.4	96.8	97.5	98.4	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.8	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 20000	59.0	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 18000	59.4	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	59.4	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	59.5	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 12000	60.4	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 10000	62.8	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 9000	63.0	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	66.5	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	67.8	69.4	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 6000	68.4	69.9	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 5000	69.2	70.8	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4500	70.2	71.7	72.5	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4000	72.2	73.8	74.6	74.6	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500	73.1	74.8	75.7	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000	77.0	78.9	80.1	80.1	80.5	80.8	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	79.2	81.3	82.8	82.8	83.2	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	81.4	83.8	85.5	85.7	86.1	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1800	82.3	84.8	86.7	87.0	87.4	87.6	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1500	84.0	87.1	89.2	89.8	90.2	90.4	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	85.6	89.0	91.3	91.9	92.5	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1000	87.2	91.0	93.5	94.4	95.4	95.7	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	87.4	91.2	94.0	94.9	95.9	96.2	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 800	87.7	91.7	94.5	95.8	97.0	97.3	97.6	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	88.0	92.2	94.9	96.2	97.5	97.8	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	88.2	92.7	95.5	96.8	98.1	98.4	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	88.2	92.7	95.5	96.8	98.1	98.4	98.8	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	88.2	92.7	95.5	96.8	98.4	98.7	99.2	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	88.2	92.7	95.5	96.8	98.5	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	88.2	92.7	95.5	96.8	98.5	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	88.2	92.7	95.5	96.8	98.5	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	88.2	92.7	95.5	96.8	98.5	98.8	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.6	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 20000	63.1	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 18000	63.8	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 16000	63.8	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 14000	64.3	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 12000	64.6	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 10000	67.1	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 9000	67.7	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 8000	70.1	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 7000	71.3	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 6000	72.0	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 5000	74.0	74.7	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4500	74.7	75.6	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 4000	76.9	77.7	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3500	78.1	78.9	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3000	82.3	83.1	83.9	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 2500	84.1	84.9	85.8	86.0	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	87.4	88.5	89.5	89.9	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	88.0	89.0	90.0	90.5	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1500	89.4	89.9	91.8	92.4	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1200	90.5	92.4	93.3	94.1	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	90.9	92.7	93.9	95.2	96.2	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	91.1	92.9	94.2	95.6	96.8	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	91.1	92.9	94.2	95.7	97.1	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	91.2	93.1	94.6	96.1	97.6	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	91.2	93.1	94.7	96.2	97.7	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	91.4	93.5	95.2	96.7	98.2	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	91.4	93.5	95.4	96.9	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	91.4	93.5	95.4	96.9	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	91.4	93.5	95.4	96.9	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.4	93.5	95.4	96.9	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.4	93.5	95.4	96.9	98.4	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 20000	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 18000	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 16000	69.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 14000	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 12000	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 10000	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 9000	73.2	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 8000	76.0	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 7000	77.0	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	78.0	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 5000	79.4	80.1	80.1	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 4500	79.9	80.8	80.9	81.0	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	81.8	82.7	82.9	83.1	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3500	82.7	83.5	83.8	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3000	85.5	86.5	87.0	87.3	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2500	86.8	87.7	88.3	88.7	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 2000	88.5	89.5	90.1	90.8	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1800	89.2	90.2	90.9	91.5	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1500	90.0	91.3	92.4	93.2	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	90.4	92.0	93.3	94.2	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1000	90.4	92.2	93.5	94.8	95.5	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	90.5	92.4	93.8	95.2	95.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	90.6	92.5	94.2	95.7	96.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	90.6	92.5	94.7	96.3	97.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	90.8	92.6	94.8	96.6	97.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	90.9	93.0	95.4	97.1	98.3	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.9	93.0	95.4	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.9	93.0	95.4	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.9	93.0	95.4	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.9	93.0	95.4	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.9	93.0	95.4	97.1	98.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.1	64.1	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
GE 20000	69.0	69.0	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8
GE 18000	69.2	69.2	69.6	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0
GE 16000	69.2	69.2	69.6	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0
GE 14000	69.5	69.5	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2
GE 12000	70.0	70.0	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8
GE 10000	72.9	72.9	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.7	73.7
GE 9000	74.1	74.1	74.5	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
GE 8000	75.7	75.7	76.2	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8
GE 7000	77.4	77.4	78.0	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.6
GE 6000	77.5	77.5	78.1	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.7	78.7
GE 5000	78.5	78.5	79.0	79.2	79.4	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0
GE 4500	78.8	78.8	79.4	79.6	79.7	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.3	80.3
GE 4000	80.5	81.0	81.8	82.2	82.3	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.9	82.9
GE 3500	82.2	83.0	84.1	84.4	84.6	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3
GE 3000	83.7	84.5	85.6	86.0	86.2	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	87.0	87.0
GE 2500	84.4	85.4	86.5	86.9	87.1	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.8	87.8
GE 2000	85.8	87.0	88.2	88.6	89.0	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.8	89.8
GE 1800	86.6	87.8	89.0	89.7	90.2	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	91.0	91.0
GE 1500	87.6	89.2	90.4	91.2	91.7	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.5	92.5
GE 1200	88.4	90.5	91.9	92.9	93.7	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.4	94.4
GE 1000	89.0	91.2	92.6	93.7	94.6	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.5	95.5
GE 900	89.4	91.5	93.0	94.1	95.1	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1
GE 800	89.7	91.8	93.7	94.8	95.8	96.5	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9	97.0	97.0
GE 700	90.0	92.4	94.2	95.5	96.6	97.2	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.7	97.7
GE 600	90.2	92.6	94.5	95.8	97.1	97.8	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5
GE 500	90.2	92.8	94.7	96.2	97.5	98.4	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1
GE 400	90.3	92.9	94.8	96.3	97.7	98.7	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 300	90.3	92.9	94.8	96.3	97.7	98.7	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.7
GE 200	90.3	92.9	94.8	96.3	97.7	98.7	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.9	100.0
GE 100	90.3	92.9	94.8	96.3	97.7	98.7	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.9	100.0
GE 000	90.3	92.9	94.8	96.3	97.7	98.7	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.5	57.3	57.7	58.0	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
GE 20000	61.8	62.8	63.3	63.5	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9
GE 18000	62.2	63.3	63.7	64.0	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4
GE 16000	62.3	63.3	63.8	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5
GE 14000	62.5	63.5	64.0	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
GE 12000	63.1	64.3	64.7	65.0	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 10000	65.5	66.6	67.1	67.4	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8
GE 9000	66.2	67.4	67.9	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6
GE 8000	69.0	70.3	70.8	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6
GE 7000	70.4	71.8	72.4	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
GE 6000	71.0	72.4	72.9	73.3	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8
GE 5000	72.3	73.7	74.4	74.8	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4
GE 4500	72.9	74.4	75.2	75.6	75.8	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3
GE 4000	74.6	76.3	77.2	77.7	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5
GE 3500	75.9	77.7	78.8	79.2	79.6	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
GE 3000	78.3	80.2	81.5	82.1	82.6	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
GE 2500	79.6	81.7	83.0	83.8	84.3	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
GE 2000	81.4	83.6	85.2	86.0	86.7	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3
GE 1800	82.1	84.4	86.0	86.9	87.5	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2
GE 1500	83.4	86.0	87.8	88.8	89.6	89.9	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3
GE 1200	84.3	87.2	89.1	90.3	91.3	91.6	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 1000	85.0	88.1	90.2	91.8	92.9	93.3	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9
GE 900	85.2	88.3	90.6	92.4	93.6	94.0	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.7	94.7
GE 800	85.5	88.7	91.1	93.1	94.6	95.1	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.8	95.8
GE 700	85.6	89.0	91.6	93.8	95.3	95.9	96.3	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.7	96.7
GE 600	85.8	89.3	92.0	94.3	96.0	96.6	97.1	97.2	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.6
GE 500	85.9	89.5	92.2	94.7	96.6	97.3	97.8	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4
GE 400	85.9	89.6	92.3	94.8	96.9	97.6	98.3	98.6	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.1
GE 300	85.9	89.6	92.3	94.8	96.9	97.7	98.4	98.7	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.4
GE 200	85.9	89.6	92.3	94.8	96.9	97.7	98.4	98.8	98.9	99.0	99.2	99.2	99.4	99.4	99.5	99.7
GE 100	85.9	89.6	92.3	94.8	96.9	97.7	98.4	98.8	98.9	99.0	99.2	99.2	99.4	99.4	99.6	99.9
GE 000	85.9	89.6	92.3	94.8	96.9	97.7	98.4	98.8	98.9	99.0	99.2	99.2	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.1	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.7
GE 20000	64.3	65.6	66.2	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9
GE 18000	64.3	65.6	66.2	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9
GE 16000	64.3	65.6	66.2	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9
GE 14000	64.4	65.7	66.3	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0
GE 12000	65.3	66.6	67.2	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.9
GE 10000	67.7	68.9	69.7	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.3
GE 9000	68.2	69.4	70.2	70.6	70.6	70.6	70.6	70.5	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.9
GE 8000	71.4	72.7	73.4	73.8	73.8	73.8	73.8	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.1
GE 7000	72.7	73.9	74.7	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.3
GE 6000	73.3	74.6	75.3	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0
GE 5000	73.8	75.0	75.9	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.6
GE 4500	74.1	75.3	76.2	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.9
GE 4000	75.9	77.2	78.1	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8
GE 3500	77.0	78.3	79.2	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.9
GE 3000	79.0	80.4	81.4	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2
GE 2500	80.3	81.8	82.8	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.7
GE 2000	82.0	83.4	85.0	85.4	85.6	85.6	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9
GE 1800	82.6	84.1	85.7	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.6
GE 1500	84.8	86.3	87.9	88.3	88.4	88.6	88.6	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.9
GE 1200	86.6	88.3	90.0	90.6	90.7	90.8	90.8	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.1
GE 1000	88.4	90.8	92.8	93.8	93.9	94.1	94.1	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.6
GE 900	88.8	91.4	93.6	94.6	94.8	95.0	95.1	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.6
GE 800	89.3	92.0	94.2	95.4	95.8	96.0	96.1	96.1	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.8
GE 700	89.3	92.1	94.4	95.9	96.2	96.4	96.6	96.7	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.3
GE 600	89.3	92.2	94.6	96.1	96.4	96.7	96.8	96.9	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.6
GE 500	89.4	92.4	94.8	96.6	97.2	97.4	97.6	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.3
GE 400	89.6	92.6	94.9	96.7	97.3	97.7	98.2	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.1
GE 300	89.6	92.6	94.9	96.7	97.3	97.7	98.2	98.3	98.8	98.9	99.2	99.2	99.3	99.3	99.3	99.4
GE 200	89.6	92.6	94.9	96.7	97.3	97.7	98.2	98.3	98.8	98.9	99.4	99.4	99.6	99.6	99.6	99.7
GE 100	89.6	92.6	94.9	96.7	97.3	97.7	98.2	98.3	98.8	98.9	99.4	99.4	99.8	99.8	99.8	100.0
GE 000	89.6	92.6	94.9	96.7	97.3	97.7	98.2	98.3	98.8	98.9	99.4	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.2	60.0	60.8	61.0	62.0	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.6
GE 20000	62.3	64.1	64.9	65.2	66.2	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 18000	62.3	64.1	64.9	65.2	66.2	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 16000	62.3	64.1	64.9	65.2	66.2	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 14000	62.3	64.1	64.9	65.2	66.2	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 12000	63.0	64.9	65.7	66.0	67.0	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6
GE 10000	65.1	67.0	67.8	68.1	69.1	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7
GE 9000	65.2	67.1	67.9	68.2	69.2	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8
GE 8000	68.0	69.9	70.7	71.0	72.0	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.6	72.6	72.6	72.6
GE 7000	69.4	71.3	72.2	72.6	73.6	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1
GE 6000	69.8	71.7	72.6	72.9	73.9	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 5000	71.0	73.0	73.9	74.2	75.2	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
GE 4500	71.1	73.1	74.0	74.3	75.3	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9
GE 4000	72.8	75.0	76.0	76.3	77.3	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9
GE 3500	73.6	75.8	76.8	77.1	78.1	78.3	78.4	78.4	78.4	78.6	78.6	78.6	78.7	78.7	78.7	78.7
GE 3000	76.0	78.3	79.3	79.8	80.8	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.4	81.4	81.4	81.4
GE 2500	77.1	79.7	80.9	81.6	82.6	82.8	82.9	83.0	83.0	83.1	83.1	83.1	83.3	83.3	83.3	83.3
GE 2000	78.8	81.3	82.6	83.2	84.4	84.7	84.8	84.9	84.9	85.0	85.0	85.0	85.2	85.2	85.2	85.2
GE 1800	78.9	81.6	82.8	83.6	84.8	85.0	85.1	85.2	85.3	85.4	85.4	85.4	85.7	85.7	85.7	85.7
GE 1500	80.0	82.8	84.1	84.9	86.1	86.3	86.4	86.6	86.7	86.8	86.8	86.8	87.0	87.0	87.1	87.1
GE 1200	81.6	84.7	86.4	87.7	88.9	89.2	89.3	89.4	89.8	89.9	89.9	89.9	90.1	90.1	90.2	90.2
GE 1000	82.1	85.9	87.8	89.6	91.3	91.7	91.9	92.0	92.4	92.6	92.6	92.6	92.8	92.8	92.9	92.9
GE 900	83.0	86.8	88.9	90.7	92.7	93.0	93.2	93.3	93.8	93.9	93.9	93.9	94.1	94.1	94.2	94.2
GE 800	83.4	87.3	89.4	91.2	93.3	93.8	94.0	94.2	94.7	94.8	94.8	94.8	95.0	95.0	95.1	95.1
GE 700	83.8	87.7	90.0	92.0	94.3	94.9	95.1	95.3	95.8	95.9	95.9	95.9	96.1	96.1	96.2	96.2
GE 600	84.0	87.9	90.3	92.4	94.8	95.3	95.7	95.9	96.3	96.4	96.4	96.4	96.7	96.7	96.8	96.8
GE 500	84.3	88.6	91.2	93.7	96.0	96.7	97.1	97.3	97.8	97.9	97.9	97.9	98.1	98.1	98.2	98.2
GE 400	84.3	88.6	91.2	93.7	96.3	97.0	97.4	97.7	98.3	98.4	98.4	98.4	98.7	98.7	98.8	98.8
GE 300	84.3	88.6	91.2	93.7	96.3	97.0	97.4	97.7	98.7	98.8	99.0	99.0	99.4	99.4	99.6	99.6
GE 200	84.3	88.6	91.2	93.7	96.3	97.0	97.4	97.7	98.8	99.0	99.2	99.2	99.7	99.7	99.8	100.0
GE 100	84.3	88.6	91.2	93.7	96.3	97.0	97.4	97.7	98.8	99.0	99.2	99.2	99.7	99.7	99.8	100.0
GE 000	84.3	88.6	91.2	93.7	96.3	97.0	97.4	97.7	98.8	99.0	99.2	99.2	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.3	51.7	52.2	52.7	53.7	54.0	54.1	54.3	54.3	54.3	54.3	54.3	54.6	54.6	54.9	54.9
GE 20000	54.7	57.2	57.8	58.2	59.4	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.7	60.7
GE 18000	54.7	57.2	57.8	58.2	59.4	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.7	60.7
GE 16000	54.7	57.2	57.8	58.2	59.4	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.7	60.7
GE 14000	54.7	57.2	57.8	58.2	59.4	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.3	60.3	60.7	60.7
GE 12000	55.4	58.0	58.6	59.0	60.2	60.6	60.7	60.9	60.9	60.9	60.9	60.9	61.1	61.1	61.4	61.4
GE 10000	58.1	60.7	61.2	61.7	62.9	63.2	63.3	63.6	63.6	63.6	63.6	63.6	63.8	63.8	64.1	64.1
GE 9000	58.6	61.1	61.8	62.2	63.4	63.8	63.9	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.7	64.7
GE 8000	61.4	64.3	65.0	65.4	66.8	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.7	67.7	68.0	68.0
GE 7000	62.9	65.9	66.6	67.0	68.3	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.2	69.2	69.6	69.6
GE 6000	63.1	66.1	66.8	67.2	68.6	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.8	69.8
GE 5000	64.3	67.3	68.1	68.6	70.0	70.3	70.4	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.3	71.3
GE 4500	64.7	67.7	68.4	68.9	70.3	70.7	70.8	71.1	71.1	71.1	71.1	71.1	71.3	71.3	71.7	71.7
GE 4000	65.3	68.3	69.4	70.0	71.4	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.8	72.8
GE 3500	66.8	69.8	70.9	71.6	73.0	73.3	73.4	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.3	74.3
GE 3000	69.2	72.7	73.6	74.2	75.7	76.0	76.1	76.4	76.4	76.4	76.4	76.4	76.7	76.7	77.0	77.0
GE 2500	70.3	73.4	74.8	75.6	77.0	77.4	77.6	77.9	77.9	77.9	77.9	77.9	78.1	78.1	78.4	78.4
GE 2000	72.7	75.9	77.4	78.4	80.1	80.6	80.7	81.0	81.0	81.2	81.2	81.2	81.4	81.4	81.8	81.8
GE 1800	73.3	76.6	78.2	79.2	80.9	81.4	81.6	82.0	82.0	82.2	82.2	82.2	82.4	82.4	82.8	82.8
GE 1500	75.0	78.4	80.4	81.6	83.4	84.0	84.1	84.6	84.6	84.8	84.8	84.8	85.0	85.0	85.3	85.3
GE 1200	76.1	80.2	82.2	83.7	85.7	86.2	86.3	86.8	86.9	87.1	87.1	87.1	87.3	87.3	87.7	87.7
GE 1000	77.4	81.9	84.7	86.2	88.3	89.1	89.3	89.8	89.9	90.1	90.1	90.1	90.3	90.3	90.7	90.7
GE 900	78.1	83.0	86.0	87.8	90.0	90.8	91.1	91.6	91.7	91.9	91.9	91.9	92.1	92.1	92.6	92.6
GE 800	78.2	83.2	86.4	88.4	91.1	92.0	92.4	92.9	93.0	93.2	93.2	93.2	93.4	93.4	93.9	93.9
GE 700	78.4	83.9	87.4	89.7	92.7	93.8	94.2	94.7	94.8	95.0	95.0	95.0	95.2	95.2	95.7	95.7
GE 600	78.6	84.2	87.8	90.0	93.1	94.4	94.9	95.3	95.4	95.7	95.7	95.7	95.9	95.9	96.3	96.3
GE 500	79.0	84.8	88.4	90.9	94.7	96.1	96.7	97.1	97.3	97.7	97.7	97.7	97.9	97.9	98.3	98.3
GE 400	79.0	84.8	88.4	91.0	94.8	96.2	96.9	97.3	97.6	98.0	98.2	98.2	98.4	98.4	98.9	98.9
GE 300	79.0	84.8	88.7	91.2	95.0	96.4	97.1	97.6	98.0	98.4	98.8	98.8	99.0	99.0	99.4	99.4
GE 200	79.0	84.8	88.7	91.2	95.1	96.6	97.2	97.7	98.2	98.7	99.2	99.2	99.4	99.4	100.0	100.0
GE 100	79.0	84.8	88.7	91.2	95.1	96.6	97.2	97.7	98.2	98.7	99.2	99.2	99.4	99.4	100.0	100.0
GE 000	79.0	84.8	88.7	91.2	95.1	96.6	97.2	97.7	98.2	98.7	99.2	99.2	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.8	51.0	52.2	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
GE 20000	57.1	58.7	59.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7
GE 18000	57.7	59.2	60.4	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
GE 16000	57.7	59.2	60.4	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
GE 14000	57.7	59.2	60.4	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
GE 12000	57.8	59.3	60.7	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4
GE 10000	60.0	61.7	63.1	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
GE 9000	60.7	62.3	63.8	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6
GE 8000	63.8	65.7	67.1	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9
GE 7000	64.4	66.3	67.8	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7
GE 6000	65.7	67.7	69.1	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
GE 5000	66.0	68.1	69.7	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6
GE 4500	66.6	68.8	70.3	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2
GE 4000	67.4	69.8	71.4	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	73.0
GE 3500	68.2	70.7	72.6	73.4	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.4
GE 3000	70.3	72.8	74.7	75.6	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.7
GE 2500	71.2	73.7	75.7	76.6	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.7
GE 2000	74.0	76.8	78.8	79.8	80.4	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.8	81.0
GE 1800	75.0	77.9	80.0	81.1	81.8	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.2	82.4
GE 1500	76.9	80.1	82.4	83.7	84.3	84.6	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.1	85.3
GE 1200	78.2	82.1	85.1	86.4	87.1	87.3	87.7	87.7	87.7	87.7	87.9	87.9	87.9	87.9	88.0	88.2
GE 1000	79.2	84.0	87.7	89.6	90.4	90.9	91.2	91.2	91.2	91.2	91.4	91.4	91.4	91.4	91.7	91.9
GE 900	79.4	84.2	88.0	90.0	91.1	91.7	92.2	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.7	92.9
GE 800	79.7	84.8	88.7	90.8	92.2	93.0	93.7	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.2	94.4
GE 700	80.1	85.3	89.3	91.4	93.4	94.3	95.1	95.3	95.4	95.4	95.7	95.7	95.7	95.7	95.9	96.1
GE 600	80.1	85.4	89.4	91.7	93.7	94.9	95.7	96.0	96.2	96.7	96.9	96.9	96.9	96.9	97.1	97.3
GE 500	80.3	85.7	89.8	92.1	94.7	95.9	96.7	97.3	97.6	98.2	98.4	98.4	98.4	98.4	98.7	98.9
GE 400	80.3	85.7	89.8	92.1	94.7	96.0	96.9	97.7	98.0	98.9	99.1	99.1	99.1	99.1	99.3	99.6
GE 300	80.3	85.7	89.8	92.2	94.8	96.1	97.0	97.8	98.1	99.0	99.3	99.3	99.3	99.3	99.6	99.8
GE 200	80.3	85.7	89.8	92.2	94.8	96.1	97.0	97.8	98.1	99.0	99.3	99.4	99.4	99.4	99.8	100.0
GE 100	80.3	85.7	89.8	92.2	94.8	96.1	97.0	97.8	98.1	99.0	99.3	99.4	99.4	99.4	99.8	100.0
GE 000	80.3	85.7	89.8	92.2	94.8	96.1	97.0	97.8	98.1	99.0	99.3	99.4	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.8	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 20000	61.3	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 18000	61.8	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 16000	62.2	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 14000	62.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	62.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 10000	65.1	66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 9000	65.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 8000	67.8	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 7000	69.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 6000	70.3	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 5000	71.1	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 4500	71.4	73.0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 4000	72.1	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3500	72.6	74.3	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 3000	75.0	77.2	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 2500	76.3	78.7	79.3	79.6	79.8	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
GE 2000	80.4	83.0	83.8	84.0	84.2	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6
GE 1800	80.7	83.3	84.3	84.6	84.8	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2
GE 1500	82.7	85.7	86.9	87.1	87.3	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2
GE 1200	84.4	87.6	89.3	89.7	90.0	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1
GE 1000	85.3	88.7	90.4	91.2	92.1	93.0	93.4	93.4	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7
GE 900	85.3	88.8	90.7	91.7	92.7	93.7	94.1	94.2	94.3	94.3	94.3	94.3	94.4	94.4	94.6	94.6
GE 800	85.3	89.0	90.9	92.7	93.8	94.8	95.3	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.9	95.9
GE 700	85.4	89.3	91.3	93.4	95.0	96.1	96.8	97.1	97.3	97.3	97.3	97.3	97.4	97.4	97.6	97.6
GE 600	85.4	89.3	91.4	93.7	95.2	96.3	97.0	97.6	97.9	97.9	97.9	97.9	98.0	98.1	98.3	98.3
GE 500	85.4	89.6	91.7	94.2	96.4	97.6	98.2	99.0	99.3	99.3	99.3	99.3	99.4	99.6	99.8	99.8
GE 400	85.4	89.6	91.7	94.2	96.6	97.7	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.8	100.0	100.0
GE 300	85.4	89.6	91.7	94.2	96.6	97.7	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.8	100.0	100.0
GE 200	85.4	89.6	91.7	94.2	96.6	97.7	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.8	100.0	100.0
GE 100	85.4	89.6	91.7	94.2	96.6	97.7	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.8	100.0	100.0
GE 000	85.4	89.6	91.7	94.2	96.6	97.7	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 20000	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 18000	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 16000	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 14000	64.4	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 12000	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 10000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 9000	68.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 8000	70.7	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 7000	72.7	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 6000	73.2	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 5000	73.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4500	74.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	75.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3500	77.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3000	79.7	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	80.7	81.8	82.3	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	83.3	84.4	85.1	85.6	85.7	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800	84.0	85.2	86.0	86.4	86.6	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1500	85.4	87.0	87.9	88.4	88.6	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1200	86.9	88.4	89.6	90.1	90.2	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1000	87.8	89.9	91.1	92.0	92.2	93.1	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 900	88.1	90.7	91.6	92.8	93.2	94.2	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 800	88.2	90.6	92.0	93.6	94.1	95.3	95.8	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	88.4	90.9	92.6	94.3	95.2	96.8	97.2	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	88.4	90.9	92.6	94.4	95.3	96.9	97.4	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	88.4	91.2	92.9	95.1	96.1	97.9	98.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	88.4	91.2	92.9	95.1	96.1	97.9	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.4	91.2	92.9	95.1	96.1	97.9	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.4	91.2	92.9	95.1	96.1	97.9	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.4	91.2	92.9	95.1	96.1	97.9	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.4	91.2	92.9	95.1	96.1	97.9	98.6	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 20000	62.6	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 18000	63.0	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 16000	63.0	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 14000	63.1	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 12000	64.2	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 10000	67.1	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 9000	67.9	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 8000	71.0	71.8	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	73.4	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 6000	74.0	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 5000	74.7	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4500	76.2	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 4000	77.6	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 3500	80.0	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3000	81.9	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2500	83.6	84.7	85.0	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2000	85.8	86.9	87.3	88.0	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1800	86.8	87.9	88.3	89.0	89.2	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1500	87.7	89.2	89.8	90.4	90.7	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1200	88.8	90.6	91.1	91.8	92.0	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	89.4	91.6	92.2	92.9	93.1	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 900	90.0	92.3	93.3	94.1	94.7	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	90.1	92.8	93.8	94.7	95.2	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8
GE 700	90.2	93.0	94.3	95.3	96.0	96.9	97.9	98.0	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.3
GE 600	90.2	93.0	94.3	95.6	96.3	97.4	98.4	98.7	98.8	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE 500	90.2	93.0	94.3	95.6	96.3	97.4	98.6	98.9	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 400	90.2	93.0	94.3	95.6	96.3	97.6	98.6	99.1	99.2	99.3	99.3	99.3	99.6	99.6	99.6	99.6
GE 300	90.2	93.0	94.3	95.6	96.3	97.6	98.8	99.1	99.2	99.3	99.3	99.3	99.6	99.6	99.6	99.6
GE 200	90.2	93.0	94.3	95.6	96.3	97.6	98.8	99.1	99.2	99.3	99.4	99.4	99.9	99.9	99.9	99.9
GE 100	90.2	93.0	94.3	95.6	96.3	97.6	98.8	99.1	99.2	99.3	99.4	99.4	99.9	100.0	100.0	100.0
GE 000	90.2	93.0	94.3	95.6	96.3	97.6	98.8	99.1	99.2	99.3	99.4	99.4	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.1	60.7	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2
GE 20000	66.3	66.9	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.4
GE 18000	66.4	67.0	67.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.6
GE 16000	66.4	67.0	67.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.6
GE 14000	66.4	67.0	67.0	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.6
GE 12000	67.3	67.9	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.6
GE 10000	70.0	70.7	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.3
GE 9000	70.4	71.1	71.2	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.8
GE 8000	73.2	73.9	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.6
GE 7000	74.0	74.7	74.8	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4
GE 6000	75.7	76.3	76.4	76.7	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.1
GE 5000	76.3	77.0	77.1	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8
GE 4500	77.6	78.2	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0
GE 4000	79.0	79.8	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.6
GE 3500	80.1	80.9	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.7
GE 3000	81.6	82.3	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.2
GE 2500	83.2	84.0	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.1
GE 2000	84.8	85.6	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.7
GE 1800	85.4	86.2	86.8	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.6
GE 1500	87.2	88.6	89.6	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.7
GE 1200	88.8	90.2	91.3	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.6
GE 1000	89.8	91.3	92.7	93.3	93.8	94.1	94.1	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.4
GE 900	90.1	91.9	93.4	94.1	94.7	95.0	95.0	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.3
GE 800	90.4	92.4	94.2	95.0	95.6	95.9	95.9	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.4
GE 700	90.7	92.9	95.0	96.1	96.7	97.0	97.0	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.6
GE 600	90.9	93.1	95.3	96.7	97.2	97.6	97.6	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 500	90.9	93.1	95.3	96.8	97.6	98.0	98.0	98.1	98.2	98.7	98.8	98.8	98.8	98.8	98.8	98.9
GE 400	90.9	93.1	95.3	96.9	97.8	98.2	98.4	98.6	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.4
GE 300	90.9	93.1	95.3	96.9	97.8	98.2	98.4	98.6	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.6
GE 200	90.9	93.1	95.3	96.9	97.8	98.2	98.4	98.6	98.7	99.1	99.4	99.4	99.6	99.6	99.6	99.7
GE 100	90.9	93.1	95.3	96.9	97.8	98.2	98.4	98.6	98.7	99.1	99.4	99.4	99.6	99.6	99.8	100.0
GE 000	90.9	93.1	95.3	96.9	97.8	98.2	98.4	98.6	98.7	99.1	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.9	55.9	56.3	56.5	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1
GE 20000	61.5	62.7	63.1	63.3	63.7	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	64.0
GE 18000	61.8	63.0	63.4	63.6	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.3
GE 16000	61.8	63.0	63.5	63.7	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.4
GE 14000	61.9	63.2	63.6	63.8	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5
GE 12000	62.7	63.9	64.4	64.6	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3
GE 10000	65.1	66.4	66.9	67.1	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.8
GE 9000	65.6	66.9	67.4	67.6	68.0	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3
GE 8000	68.4	69.8	70.4	70.6	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.3
GE 7000	69.9	71.3	71.9	72.1	72.5	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.8	72.8
GE 6000	70.6	72.1	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.6
GE 5000	71.4	72.9	73.5	73.8	74.2	74.2	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.5
GE 4500	72.0	73.5	74.2	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1
GE 4000	73.2	74.8	75.6	75.9	76.3	76.3	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6
GE 3500	74.5	76.1	76.9	77.2	77.6	77.7	77.8	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0
GE 3000	76.6	78.3	79.2	79.5	80.0	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3
GE 2500	77.8	79.7	80.7	81.2	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.1
GE 2000	80.2	82.2	83.3	83.8	84.4	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.9	84.9	84.9	85.0
GE 1800	80.8	82.8	84.0	84.6	85.2	85.4	85.5	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.9	85.9
GE 1500	82.5	84.8	86.1	86.8	87.4	87.8	87.9	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.3
GE 1200	83.9	86.5	88.1	89.0	89.6	90.0	90.1	90.2	90.3	90.4	90.4	90.4	90.5	90.5	90.6	90.6
GE 1000	84.9	88.0	89.9	91.1	91.9	92.5	92.7	92.8	92.9	93.0	93.0	93.0	93.1	93.1	93.2	93.2
GE 900	85.4	88.6	90.7	92.0	93.0	93.6	93.9	94.0	94.1	94.2	94.2	94.2	94.3	94.3	94.4	94.5
GE 800	85.6	89.0	91.2	92.7	93.9	94.6	95.0	95.2	95.3	95.4	95.5	95.5	95.6	95.6	95.7	95.7
GE 700	85.8	89.4	91.8	93.5	94.9	95.8	96.2	96.5	96.7	96.8	96.9	96.9	97.0	97.0	97.1	97.2
GE 600	85.9	89.5	92.0	93.8	95.3	96.2	96.7	97.0	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.8
GE 500	86.0	89.8	92.3	94.4	96.1	97.1	97.7	98.1	98.3	98.6	98.7	98.7	98.8	98.8	98.9	99.0
GE 400	86.0	89.8	92.3	94.4	96.2	97.3	97.9	98.4	98.7	99.0	99.1	99.1	99.2	99.2	99.4	99.4
GE 300	86.0	89.8	92.3	94.4	96.3	97.3	98.0	98.4	98.8	99.1	99.3	99.3	99.5	99.5	99.6	99.7
GE 200	86.0	89.8	92.3	94.4	96.3	97.3	98.0	98.5	98.9	99.2	99.5	99.5	99.7	99.7	99.8	99.9
GE 100	86.0	89.8	92.3	94.4	96.3	97.3	98.0	98.5	98.9	99.2	99.5	99.5	99.7	99.7	99.9	100.0
GE 000	86.0	89.8	92.3	94.4	96.3	97.3	98.0	98.5	98.9	99.2	99.5	99.5	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.0	60.3	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 20000	63.2	63.5	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1
GE 18000	63.2	63.5	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1
GE 16000	63.2	63.5	64.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	65.1
GE 14000	63.3	63.6	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.2
GE 12000	63.5	63.9	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.5
GE 10000	65.8	66.1	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.7
GE 9000	66.4	66.7	67.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3
GE 8000	68.6	69.0	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6
GE 7000	71.0	71.4	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	73.0
GE 6000	71.5	71.8	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.4
GE 5000	72.7	73.1	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.7
GE 4500	73.1	73.4	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.0
GE 4000	75.5	75.8	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.4
GE 3500	76.3	76.7	77.5	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.8
GE 3000	78.3	78.8	79.5	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.9
GE 2500	78.5	79.1	80.0	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.4
GE 2000	79.2	79.8	80.7	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.5
GE 1800	79.3	79.9	80.8	81.7	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.7
GE 1500	81.3	82.4	83.9	84.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.4
GE 1200	82.7	84.1	86.4	87.6	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.4
GE 1000	83.3	85.2	87.5	88.9	90.2	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.4
GE 900	83.3	85.6	88.0	89.4	91.1	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.4
GE 800	83.8	86.0	88.5	90.3	92.0	92.3	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.3
GE 700	84.1	86.5	89.2	91.1	92.8	93.2	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.2
GE 600	84.1	86.6	89.4	91.4	93.1	93.4	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.7
GE 500	84.2	86.7	89.7	91.9	93.6	94.3	95.2	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.4
GE 400	84.2	86.7	89.9	92.3	94.0	94.7	95.8	97.0	97.0	97.4	97.6	97.6	97.8	98.0	98.1	98.4
GE 300	84.2	86.7	89.9	92.3	94.0	94.7	96.1	97.6	97.6	98.0	98.3	98.3	98.9	99.0	99.1	99.4
GE 200	84.2	86.7	89.9	92.4	94.1	94.8	96.3	97.7	97.7	98.2	98.5	98.5	99.1	99.2	99.3	99.7
GE 100	84.2	86.7	89.9	92.4	94.1	94.8	96.3	97.7	97.7	98.2	98.5	98.5	99.1	99.2	99.3	99.7
GE 000	84.2	86.7	89.9	92.4	94.1	94.8	96.3	97.7	97.7	98.2	98.5	98.5	99.1	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 880

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.6	58.0	58.7	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 20000	60.4	61.0	61.7	62.1	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.8
GE 18000	60.4	61.0	61.7	62.1	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.8
GE 16000	60.5	61.1	61.8	62.2	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.9
GE 14000	61.0	61.5	62.2	62.7	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.4
GE 12000	61.4	62.0	62.7	63.1	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.8
GE 10000	62.6	63.1	63.8	64.3	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	65.0
GE 9000	63.3	63.8	64.5	65.0	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.6
GE 8000	65.4	66.0	66.7	67.1	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.8
GE 7000	67.1	67.7	68.4	68.8	69.1	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.5
GE 6000	68.3	68.8	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.8
GE 5000	68.8	69.5	70.3	70.8	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.4
GE 4500	69.5	70.2	71.0	71.4	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	72.1
GE 4000	72.4	73.0	73.9	74.5	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	75.2
GE 3500	73.6	74.3	75.3	75.9	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.7
GE 3000	75.7	76.5	77.5	78.0	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	79.0
GE 2500	76.1	77.2	78.3	79.0	79.5	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	80.1
GE 2000	77.1	78.4	79.5	80.2	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.7
GE 1800	77.7	79.0	80.1	80.8	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	82.3
GE 1500	79.9	81.8	83.2	83.8	84.9	85.0	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.7
GE 1200	81.9	84.2	85.7	86.5	87.7	87.8	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.5
GE 1000	83.0	85.6	87.0	87.9	89.4	89.5	89.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.6
GE 900	83.4	86.1	87.6	88.6	90.4	90.7	91.0	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.7
GE 800	84.2	86.9	88.4	89.8	91.7	91.9	92.4	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	93.1
GE 700	84.8	87.8	89.5	91.5	93.5	93.7	94.2	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.9
GE 600	84.9	87.9	89.9	92.0	94.4	94.7	95.2	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	96.1
GE 500	84.9	87.9	90.0	92.5	95.0	95.4	96.4	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.4
GE 400	84.9	87.9	90.0	92.7	95.3	95.8	97.2	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.7
GE 300	84.9	87.9	90.1	92.9	95.7	96.1	97.6	98.4	98.4	98.7	98.9	99.0	99.2	99.2	99.2	99.5
GE 200	84.9	87.9	90.1	92.9	95.7	96.1	97.7	98.5	98.5	98.9	99.0	99.1	99.3	99.3	99.3	99.7
GE 100	84.9	87.9	90.1	92.9	95.7	96.1	97.7	98.5	98.5	98.9	99.0	99.1	99.3	99.3	99.3	99.9
GE 000	84.9	87.9	90.1	92.9	95.7	96.1	97.7	98.5	98.5	98.9	99.0	99.1	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.5	50.2	50.9	51.3	51.6	51.6	51.7	51.7	51.7	51.8	52.1	52.2	52.2	52.2	52.4	52.4
GE 20000	53.8	54.7	55.5	55.8	56.2	56.2	56.3	56.3	56.3	56.4	56.6	56.7	56.7	56.7	57.0	57.0
GE 18000	53.8	54.7	55.5	55.8	56.2	56.2	56.3	56.3	56.3	56.4	56.6	56.7	56.7	56.7	57.0	57.0
GE 16000	53.8	54.7	55.5	55.8	56.2	56.2	56.3	56.3	56.3	56.4	56.6	56.7	56.7	56.7	57.0	57.0
GE 14000	54.3	55.2	56.0	56.3	56.6	56.6	56.7	56.7	56.7	56.8	57.1	57.2	57.2	57.2	57.4	57.4
GE 12000	54.5	55.4	56.2	56.5	56.8	56.8	57.0	57.0	57.0	57.1	57.3	57.4	57.4	57.4	57.6	57.6
GE 10000	56.6	57.5	58.3	58.6	59.0	59.0	59.1	59.1	59.1	59.2	59.4	59.5	59.5	59.5	59.7	59.7
GE 9000	57.4	58.3	59.1	59.4	59.7	59.7	59.8	59.8	59.8	60.0	60.2	60.3	60.3	60.3	60.5	60.5
GE 8000	60.2	61.1	61.8	62.2	62.5	62.5	62.6	62.6	62.6	62.7	63.0	63.1	63.1	63.1	63.3	63.3
GE 7000	61.4	62.3	63.1	63.4	63.7	63.7	63.8	63.8	63.8	64.0	64.2	64.3	64.3	64.3	64.5	64.5
GE 6000	62.1	63.0	63.7	64.1	64.5	64.5	64.6	64.6	64.6	64.7	65.0	65.1	65.1	65.1	65.3	65.3
GE 5000	63.2	64.1	65.0	65.3	65.7	65.7	65.9	65.9	65.9	66.0	66.2	66.3	66.3	66.3	66.5	66.5
GE 4500	63.8	64.7	65.6	66.0	66.4	66.4	66.5	66.5	66.5	66.6	66.9	67.0	67.0	67.0	67.2	67.2
GE 4000	66.6	67.6	68.7	69.1	69.5	69.5	69.6	69.6	69.6	69.7	70.0	70.1	70.1	70.1	70.3	70.3
GE 3500	68.1	69.1	70.3	70.6	71.1	71.1	71.3	71.3	71.3	71.4	71.6	71.7	71.7	71.7	72.0	72.0
GE 3000	69.4	70.4	71.7	72.2	72.7	72.7	73.1	73.1	73.1	73.2	73.4	73.5	73.5	73.5	73.7	73.7
GE 2500	70.3	71.4	72.9	73.7	74.4	74.4	74.7	74.7	74.7	74.9	75.1	75.2	75.2	75.2	75.4	75.4
GE 2000	72.7	74.0	75.8	76.9	77.8	77.8	78.2	78.3	78.3	78.4	78.6	78.8	78.8	78.8	79.0	79.0
GE 1800	73.4	74.7	76.5	77.6	78.5	78.5	79.0	79.1	79.1	79.2	79.4	79.5	79.5	79.5	79.8	79.8
GE 1500	75.4	77.0	79.3	80.5	81.5	81.5	82.0	82.1	82.1	82.2	82.4	82.5	82.5	82.5	82.8	82.8
GE 1200	77.5	79.3	82.0	83.2	84.5	84.5	85.0	85.1	85.1	85.2	85.4	85.5	85.5	85.5	85.8	85.8
GE 1000	79.5	82.1	85.4	87.0	88.4	88.4	88.9	89.0	89.0	89.2	89.4	89.5	89.5	89.5	89.8	89.8
GE 900	80.2	82.9	86.5	88.1	90.0	90.2	90.7	90.8	90.8	91.0	91.3	91.4	91.4	91.4	91.7	91.7
GE 800	80.4	83.3	87.2	88.8	90.9	91.1	91.5	91.7	91.7	91.9	92.2	92.3	92.3	92.3	92.5	92.5
GE 700	80.5	83.5	87.4	89.5	91.9	92.1	92.7	92.9	92.9	93.1	93.4	93.5	93.5	93.5	93.8	93.8
GE 600	80.6	83.6	87.5	89.9	92.5	93.0	93.8	94.0	94.0	94.2	94.5	94.7	94.7	94.7	94.9	94.9
GE 500	80.6	83.8	87.9	90.3	93.2	94.0	94.9	95.6	95.6	95.8	96.2	96.3	96.3	96.3	96.6	96.6
GE 400	80.6	83.8	88.0	90.7	93.9	95.0	96.2	97.0	97.0	97.3	97.8	97.9	97.9	97.9	98.1	98.1
GE 300	80.6	83.8	88.0	90.7	93.9	95.0	96.3	97.1	97.2	97.6	98.1	98.3	98.3	98.3	98.6	98.7
GE 200	80.6	83.8	88.0	90.7	94.1	95.2	96.6	97.3	97.4	97.8	98.4	98.7	98.7	98.7	99.1	99.4
GE 100	80.6	83.8	88.0	90.7	94.1	95.2	96.6	97.3	97.4	97.8	98.4	98.7	98.7	98.7	99.2	99.8
GE 000	80.6	83.8	88.0	90.7	94.1	95.2	96.6	97.3	97.4	97.8	98.4	98.7	98.7	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.9	49.0	50.2	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5
GE 20000	53.0	54.5	55.9	55.9	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3
GE 18000	53.4	54.8	56.2	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7
GE 16000	53.4	54.8	56.2	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7
GE 14000	53.8	55.4	56.9	56.9	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3
GE 12000	54.6	56.2	57.6	57.6	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
GE 10000	56.9	58.5	60.0	60.0	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
GE 9000	57.6	59.3	60.7	60.7	60.7	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
GE 8000	60.4	62.0	63.5	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
GE 7000	62.4	64.0	65.5	65.5	65.5	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
GE 6000	62.9	64.6	66.0	66.0	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4
GE 5000	64.0	65.7	67.2	67.2	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7
GE 4500	64.4	66.0	67.5	67.5	67.5	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0
GE 4000	66.3	68.1	69.9	69.9	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
GE 3500	67.2	69.0	70.7	70.7	70.7	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2
GE 3000	67.8	69.5	71.3	71.4	71.4	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
GE 2500	69.3	71.2	72.9	73.0	73.0	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.6
GE 2000	71.1	73.5	75.8	76.5	76.5	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
GE 1800	71.2	73.6	75.9	76.6	76.6	77.3	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9
GE 1500	74.7	77.2	79.9	80.5	80.9	81.4	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.2
GE 1200	76.1	78.9	81.7	83.1	83.6	84.4	84.9	85.0	85.0	85.0	85.1	85.3	85.3	85.3	85.3	85.4
GE 1000	77.6	80.6	84.0	85.6	86.7	87.6	88.2	88.3	88.4	88.7	88.8	88.9	88.9	88.9	88.9	89.0
GE 900	78.1	81.3	84.8	86.4	87.7	88.6	89.3	89.4	89.5	89.8	89.9	90.3	90.3	90.3	90.3	90.4
GE 800	78.4	81.7	85.3	86.9	88.7	89.8	90.8	90.9	91.0	91.2	91.4	91.9	91.9	91.9	91.9	92.0
GE 700	78.4	81.8	85.4	87.2	89.0	91.0	92.4	92.6	92.7	93.0	93.2	93.6	93.6	93.6	93.6	93.7
GE 600	78.4	81.8	85.5	87.6	90.2	92.4	94.1	94.3	94.5	94.7	94.9	95.4	95.4	95.4	95.4	95.5
GE 500	78.4	81.8	85.6	87.8	90.6	92.8	94.8	95.4	95.6	95.9	96.1	96.6	96.6	96.6	96.6	96.8
GE 400	78.4	81.8	85.6	87.9	90.8	93.0	95.3	96.3	96.5	97.2	97.5	97.9	98.1	98.1	98.2	98.5
GE 300	78.4	81.8	85.6	87.9	90.9	93.1	95.4	96.5	96.7	97.5	97.8	98.3	98.6	98.6	98.9	99.2
GE 200	78.4	81.8	85.6	87.9	90.9	93.1	95.4	96.5	96.7	97.5	97.8	98.3	98.7	98.7	99.2	99.6
GE 100	78.4	81.8	85.6	87.9	90.9	93.1	95.4	96.5	96.7	97.5	97.8	98.3	98.7	98.8	99.3	100.0
GE 000	78.4	81.8	85.6	87.9	90.9	93.1	95.4	96.5	96.7	97.5	97.8	98.3	98.7	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 909

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.7	52.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	57.7	59.2	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 18000	58.0	59.5	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 16000	58.0	59.5	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 14000	58.8	60.4	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 12000	59.9	61.9	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 10000	61.9	63.8	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 9000	62.6	64.6	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 8000	64.4	66.4	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 7000	65.5	67.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 6000	66.4	68.4	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 5000	67.5	69.5	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4500	68.1	70.1	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4000	69.8	71.8	72.1	72.5	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8
GE 3500	70.5	72.4	72.8	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4
GE 3000	71.1	73.1	73.4	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 2500	73.0	75.3	75.7	76.6	76.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
GE 2000	75.0	77.7	78.2	79.3	79.7	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3
GE 1800	75.6	78.7	79.2	80.3	80.8	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
GE 1500	77.6	81.8	82.4	83.5	84.2	84.8	85.0	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
GE 1200	79.3	83.5	84.1	85.4	86.5	87.2	87.5	87.8	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0
GE 1000	80.5	85.1	85.8	87.3	88.6	89.4	90.0	90.2	90.2	90.3	90.3	90.4	90.5	90.5	90.5	90.5
GE 900	81.3	86.1	86.9	88.5	90.0	90.7	91.3	91.7	91.7	91.8	91.8	92.3	92.4	92.4	92.4	92.4
GE 800	81.5	86.5	87.4	89.2	91.4	92.3	92.8	93.3	93.3	93.4	93.4	93.8	93.9	94.3	94.3	94.3
GE 700	81.5	86.5	87.5	89.6	92.2	93.3	93.8	94.4	94.6	94.7	94.7	95.1	95.3	95.6	95.7	95.7
GE 600	81.6	86.7	87.7	89.9	93.1	94.4	95.6	96.4	96.6	96.8	96.8	97.2	97.4	97.7	97.8	97.8
GE 500	81.6	86.7	87.7	89.9	93.1	94.5	95.7	96.6	96.8	97.0	97.1	97.6	97.7	98.0	98.1	98.1
GE 400	81.6	86.7	87.7	89.9	93.2	94.6	95.9	97.0	97.2	97.7	97.8	98.2	98.7	99.0	99.1	99.1
GE 300	81.6	86.7	87.7	89.9	93.4	94.8	96.3	97.4	97.6	98.0	98.1	98.6	99.0	99.6	99.7	99.7
GE 200	81.6	86.7	87.7	89.9	93.4	94.8	96.3	97.4	97.6	98.0	98.1	98.6	99.0	99.8	99.9	99.9
GE 100	81.6	86.7	87.7	89.9	93.4	94.8	96.3	97.4	97.6	98.0	98.1	98.6	99.1	99.9	100.0	100.0
GE 000	81.6	86.7	87.7	89.9	93.4	94.8	96.3	97.4	97.6	98.0	98.1	98.6	99.1	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 907

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.1	53.0	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 20000	59.0	60.0	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 18000	59.3	60.3	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 16000	59.3	60.3	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 14000	60.0	61.1	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 12000	61.5	62.7	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	63.5	64.8	65.0	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 9000	64.5	65.8	66.0	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 8000	68.2	69.5	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 7000	69.0	70.2	70.5	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 6000	70.1	71.3	71.6	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 5000	71.2	72.5	72.7	73.0	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4500	71.6	72.8	73.0	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 4000	72.9	74.1	74.4	74.7	74.8	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3500	73.9	75.1	75.5	75.8	75.9	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 3000	75.5	76.7	77.0	77.5	77.6	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 2500	76.9	78.5	78.8	79.3	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 2000	78.7	80.8	81.3	81.8	82.1	82.3	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7
GE 1800	78.9	81.2	81.9	82.9	83.2	83.4	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8
GE 1500	80.3	83.1	83.9	85.2	85.6	86.1	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6
GE 1200	81.7	85.3	86.3	87.5	88.7	89.3	89.7	89.7	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9
GE 1000	82.9	87.2	88.3	89.7	91.1	91.6	92.2	92.3	92.3	92.6	92.6	92.9	92.9	92.9	92.9	92.9
GE 900	83.1	87.7	88.9	90.4	92.2	92.9	93.6	93.9	93.9	94.2	94.3	94.8	94.8	94.8	94.8	94.8
GE 800	83.2	87.8	89.3	90.9	92.8	93.9	94.8	95.0	95.0	95.3	95.4	95.9	95.9	95.9	95.9	95.9
GE 700	83.3	88.1	89.5	91.3	93.5	94.8	95.9	96.2	96.2	96.7	96.9	97.3	97.3	97.4	97.4	97.4
GE 600	83.3	88.1	89.5	91.3	93.8	95.0	96.1	96.7	96.7	97.2	97.4	97.9	97.9	98.0	98.0	98.0
GE 500	83.3	88.1	89.5	91.3	93.8	95.0	96.2	96.9	97.0	97.5	97.8	98.3	98.3	98.4	98.4	98.4
GE 400	83.3	88.2	89.6	91.5	94.1	95.3	96.5	97.4	97.5	98.2	98.8	99.3	99.3	99.4	99.4	99.4
GE 300	83.3	88.2	89.6	91.5	94.1	95.3	96.5	97.4	97.7	98.4	99.0	99.6	99.8	99.9	99.9	99.9
GE 200	83.3	88.2	89.6	91.5	94.1	95.3	96.5	97.4	97.7	98.4	99.0	99.6	99.8	99.9	100.0	100.0
GE 100	83.3	88.2	89.6	91.5	94.1	95.3	96.5	97.4	97.7	98.4	99.0	99.6	99.8	99.9	100.0	100.0
GE 000	83.3	88.2	89.6	91.5	94.1	95.3	96.5	97.4	97.7	98.4	99.0	99.6	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.6	56.0	56.0	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7
GE 20000	60.4	60.8	60.9	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.7	61.7
GE 18000	60.6	61.0	61.1	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 16000	60.6	61.0	61.1	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
GE 14000	61.0	61.3	61.4	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
GE 12000	62.2	62.6	62.7	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5
GE 10000	64.7	65.1	65.2	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0
GE 9000	64.8	65.2	65.3	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
GE 8000	68.5	68.8	68.9	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9
GE 7000	70.5	70.9	71.0	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.0	72.0
GE 6000	71.0	71.3	71.4	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.4	72.4	72.5	72.5
GE 5000	71.9	72.2	72.5	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.5	73.5
GE 4500	72.4	72.7	72.9	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.9	73.9
GE 4000	73.7	74.1	74.3	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3
GE 3500	75.0	75.3	75.5	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.6	76.6
GE 3000	77.0	77.5	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.8	78.8
GE 2500	78.6	79.5	80.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.2	81.2
GE 2000	81.0	82.4	83.0	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.2
GE 1800	81.3	82.7	83.4	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.9	84.9
GE 1500	82.5	84.4	85.7	86.2	86.8	87.1	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.4	87.4
GE 1200	83.7	85.8	87.3	88.1	89.4	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	90.0	90.0
GE 1000	83.8	86.3	88.2	89.1	90.8	91.1	91.2	91.2	91.5	91.5	91.6	91.6	91.6	91.6	91.7	91.7
GE 900	83.8	86.3	88.2	89.2	91.0	91.5	92.0	92.0	92.3	92.3	92.4	92.4	92.4	92.4	92.5	92.5
GE 800	83.8	86.3	88.3	89.6	91.9	92.4	93.2	93.2	93.4	93.4	93.6	93.6	93.6	93.6	93.7	93.7
GE 700	84.0	86.7	88.9	90.7	93.2	93.7	95.1	95.1	95.3	95.3	95.7	95.7	95.7	95.7	95.8	95.8
GE 600	84.0	86.9	89.4	91.2	93.7	94.3	95.7	95.9	96.1	96.1	96.7	96.7	96.7	96.7	96.8	96.8
GE 500	84.0	86.9	89.4	91.2	93.9	94.4	95.9	96.2	96.5	96.5	97.6	97.6	97.6	97.7	97.8	97.8
GE 400	84.1	87.1	89.8	91.6	94.2	94.9	96.4	96.7	96.9	96.9	98.1	98.1	98.2	98.3	98.4	98.4
GE 300	84.1	87.3	90.0	91.8	94.4	95.1	96.6	96.9	97.2	97.2	98.3	98.3	98.5	98.6	98.7	98.7
GE 200	84.1	87.3	90.0	91.8	94.4	95.1	96.6	96.9	97.2	97.6	98.9	98.9	99.3	99.4	99.9	99.9
GE 100	84.1	87.3	90.0	91.8	94.4	95.1	96.6	96.9	97.2	97.6	98.9	98.9	99.3	99.4	100.0	100.0
GE 000	84.1	87.3	90.0	91.8	94.4	95.1	96.6	96.9	97.2	97.6	98.9	98.9	99.3	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.6	58.9	58.9	59.2	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.6	59.6
GE 20000	62.5	62.8	62.8	63.1	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.6	63.7	63.8	64.1
GE 18000	62.6	62.9	62.9	63.3	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.7	63.8	63.9	64.2
GE 16000	62.6	62.9	62.9	63.3	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.7	63.8	63.9	64.2
GE 14000	62.6	62.9	62.9	63.3	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.7	63.8	63.9	64.2
GE 12000	62.8	63.1	63.3	63.6	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	64.1	64.2	64.3	64.5
GE 10000	67.2	67.6	67.8	68.1	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.7	68.8	68.9	69.2
GE 9000	67.7	68.0	68.3	68.6	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.2	69.3	69.4	69.6
GE 8000	70.4	70.8	71.0	71.3	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.9	72.0	72.1	72.4
GE 7000	71.2	71.6	71.8	72.1	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.7	72.8	72.9	73.2
GE 6000	71.8	72.1	72.4	72.7	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.3	73.4	73.5	73.7
GE 5000	73.0	73.4	73.6	73.9	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.5	74.6	74.7	75.0
GE 4500	73.0	73.4	73.7	74.1	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.6	74.7	74.9	75.1
GE 4000	75.1	75.4	75.8	76.1	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.7	76.8	76.9	77.1
GE 3500	76.5	76.8	77.1	77.5	77.8	77.8	77.8	77.8	77.8	77.9	77.9	77.9	78.2	78.3	78.4	78.6
GE 3000	77.7	78.2	78.6	79.0	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.6	79.7	79.9	80.1
GE 2500	78.8	79.5	80.1	80.4	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	81.1	81.2	81.3	81.6
GE 2000	80.5	81.3	82.3	82.8	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.5	83.6	83.7	84.0
GE 1800	81.1	81.9	83.0	83.6	84.0	84.0	84.0	84.1	84.1	84.2	84.2	84.2	84.4	84.5	84.6	84.9
GE 1500	82.0	83.0	84.6	85.3	85.8	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.3	86.5	86.6	86.8
GE 1200	83.7	85.0	87.1	87.8	88.6	88.6	88.7	88.9	88.9	89.0	89.0	89.0	89.2	89.3	89.4	89.6
GE 1000	84.1	85.4	87.7	88.7	89.9	89.9	90.1	90.2	90.2	90.3	90.3	90.3	90.6	90.7	90.8	91.0
GE 900	84.2	85.7	88.3	89.3	90.4	90.4	90.7	91.2	91.2	91.4	91.4	91.4	91.6	91.7	91.8	92.0
GE 800	84.3	85.8	88.5	89.5	90.9	91.1	91.4	91.9	92.0	92.2	92.3	92.3	92.5	92.6	92.7	92.9
GE 700	84.3	85.8	88.7	90.0	91.6	91.8	92.3	93.1	93.2	93.3	93.4	93.4	93.6	93.7	93.9	94.1
GE 600	84.3	86.0	89.6	90.9	92.5	92.7	93.2	94.1	94.2	94.4	94.8	94.8	95.0	95.1	95.2	95.4
GE 500	84.3	86.0	89.9	91.2	93.1	93.3	93.9	94.8	94.9	95.4	96.1	96.1	96.4	96.5	96.6	96.8
GE 400	84.3	86.1	90.0	91.5	93.4	93.7	94.3	95.2	95.3	96.2	97.2	97.2	97.4	97.5	97.7	98.0
GE 300	84.3	86.1	90.0	91.6	93.5	94.0	94.5	95.4	95.6	96.8	97.7	97.7	98.3	98.4	98.7	99.0
GE 200	84.3	86.1	90.2	91.8	93.7	94.2	94.8	95.7	95.8	97.3	98.2	98.2	98.7	99.0	99.5	99.8
GE 100	84.3	86.1	90.2	91.8	93.7	94.2	94.8	95.7	95.8	97.3	98.2	98.2	98.9	99.1	99.7	99.9
GE 000	84.3	86.1	90.2	91.8	93.7	94.2	94.8	95.7	95.8	97.3	98.2	98.2	98.9	99.1	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 879

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.9	54.6	55.1	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7
GE 20000	58.7	59.5	60.1	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.9
GE 18000	58.9	59.7	60.2	60.6	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.9	60.9	61.0
GE 16000	58.9	59.7	60.2	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	61.0
GE 14000	59.3	60.2	60.7	61.0	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4	61.5
GE 12000	60.0	60.9	61.5	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.2	62.3
GE 10000	62.4	63.3	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.6	64.7
GE 9000	63.0	63.9	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.2	65.2	65.2	65.4
GE 8000	65.7	66.7	67.2	67.6	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	68.0	68.1
GE 7000	67.2	68.2	68.7	69.1	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.5	69.6
GE 6000	68.0	68.9	69.5	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.4
GE 5000	69.0	70.0	70.6	70.9	71.1	71.1	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.4	71.5
GE 4500	69.4	70.4	71.0	71.4	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	72.0
GE 4000	71.5	72.5	73.2	73.6	73.7	73.8	73.8	73.8	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.2
GE 3500	72.6	73.6	74.3	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.4
GE 3000	74.0	75.0	75.8	76.3	76.6	76.6	76.7	76.7	76.7	76.8	76.8	76.9	76.9	76.9	77.0	77.1
GE 2500	75.2	76.4	77.3	77.9	78.2	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.8
GE 2000	76.9	78.5	79.5	80.3	80.8	80.9	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.4
GE 1800	77.3	78.9	80.1	80.9	81.4	81.6	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.2
GE 1500	79.2	81.3	82.8	83.7	84.4	84.7	84.9	85.0	85.0	85.0	85.1	85.1	85.2	85.2	85.2	85.4
GE 1200	80.8	83.2	85.0	86.1	87.2	87.6	87.8	87.9	87.9	88.0	88.0	88.1	88.1	88.1	88.2	88.3
GE 1000	81.3	84.7	86.7	88.0	89.4	89.7	90.2	90.3	90.3	90.5	90.5	90.6	90.6	90.7	90.7	90.8
GE 900	82.1	85.2	87.4	88.7	90.3	90.8	91.3	91.5	91.6	91.7	91.8	92.0	92.0	92.0	92.1	92.2
GE 800	82.4	85.6	87.9	89.4	91.3	91.8	92.4	92.7	92.7	92.9	93.0	93.2	93.2	93.3	93.3	93.5
GE 700	82.6	85.8	88.3	90.1	92.2	92.9	93.7	94.1	94.1	94.3	94.5	94.6	94.7	94.8	94.8	95.0
GE 600	82.6	85.9	88.6	90.5	92.9	93.7	94.7	95.1	95.2	95.5	95.7	95.8	95.9	96.0	96.0	96.2
GE 500	82.6	86.0	88.7	90.8	93.3	94.2	95.4	96.0	96.1	96.4	96.8	97.0	97.0	97.1	97.2	97.3
GE 400	82.6	86.0	88.8	91.0	93.6	94.6	95.9	96.8	96.9	97.4	97.9	98.1	98.2	98.3	98.4	98.6
GE 300	82.6	86.0	88.8	91.1	93.7	94.8	96.2	97.1	97.2	97.8	98.3	98.5	98.8	98.9	99.1	99.3
GE 200	82.6	86.0	88.9	91.1	93.8	94.8	96.3	97.2	97.3	98.0	98.5	98.7	99.1	99.2	99.5	99.7
GE 100	82.6	86.0	88.9	91.1	93.8	94.8	96.3	97.2	97.3	98.0	98.5	98.7	99.1	99.3	99.6	99.9
GE 000	82.6	86.0	88.9	91.1	93.8	94.8	96.3	97.2	97.3	98.0	98.5	98.7	99.1	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF MS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.7	58.1	58.8	59.1	59.4	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7
GE 20000	63.2	64.9	65.6	66.0	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.7
GE 18000	63.5	65.1	65.9	66.3	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9
GE 16000	63.5	65.2	65.9	66.3	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	67.0
GE 14000	63.8	65.4	66.2	66.6	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.2
GE 12000	64.5	66.2	67.0	67.4	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.1
GE 10000	67.2	68.9	69.8	70.2	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.9
GE 9000	67.9	69.7	70.5	71.0	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.6
GE 8000	70.7	72.7	73.6	74.0	74.3	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.7	74.7	74.7
GE 7000	72.2	74.2	75.1	75.6	75.9	76.0	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.3	76.3
GE 6000	72.8	74.8	75.7	76.2	76.6	76.6	76.7	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.0
GE 5000	73.9	76.1	77.0	77.6	77.9	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.4
GE 4500	74.4	76.6	77.5	78.1	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.9
GE 4000	76.4	78.7	79.7	80.3	80.7	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2
GE 3500	77.7	80.0	81.2	81.8	82.3	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.8
GE 3000	80.2	82.7	84.1	84.8	85.4	85.5	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9
GE 2500	81.3	84.0	85.4	86.2	86.8	87.0	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.4	87.4
GE 2000	82.7	85.5	87.1	88.0	88.7	88.9	89.1	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.4
GE 1800	83.1	86.0	87.7	88.6	89.3	89.5	89.7	89.8	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.1
GE 1500	84.2	87.4	89.2	90.3	91.1	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	92.0
GE 1200	85.0	88.4	90.5	91.7	92.7	93.0	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.7
GE 1000	85.5	89.2	91.4	92.8	94.0	94.3	94.7	94.8	94.9	95.0	95.0	95.0	95.1	95.1	95.2	95.2
GE 900	85.7	89.4	91.8	93.3	94.6	95.0	95.4	95.5	95.6	95.7	95.8	95.8	95.8	95.9	95.9	96.0
GE 800	85.9	89.7	92.1	93.7	95.2	95.7	96.1	96.3	96.4	96.5	96.6	96.6	96.7	96.7	96.7	96.8
GE 700	86.0	89.9	92.4	94.1	95.7	96.3	96.8	97.0	97.1	97.3	97.3	97.4	97.4	97.5	97.5	97.6
GE 600	86.0	90.0	92.6	94.3	96.0	96.7	97.3	97.6	97.7	97.9	97.9	98.0	98.1	98.1	98.1	98.2
GE 500	86.1	90.0	92.7	94.5	96.3	97.0	97.7	98.1	98.2	98.5	98.6	98.6	98.7	98.7	98.8	98.9
GE 400	86.1	90.1	92.7	94.6	96.5	97.2	98.0	98.4	98.6	98.9	99.0	99.1	99.2	99.2	99.3	99.4
GE 300	86.1	90.1	92.7	94.6	96.5	97.3	98.0	98.5	98.7	99.0	99.2	99.3	99.4	99.5	99.6	99.6
GE 200	86.1	90.1	92.7	94.6	96.5	97.3	98.1	98.5	98.7	99.1	99.3	99.4	99.6	99.6	99.7	99.9
GE 100	86.1	90.1	92.7	94.6	96.5	97.3	98.1	98.5	98.7	99.1	99.3	99.4	99.6	99.7	99.8	99.9
GE 000	86.1	90.1	92.7	94.6	96.5	97.3	98.1	98.5	98.7	99.1	99.3	99.4	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 87337

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	40.9	22.8	9.7	24.5	2.2	36.3	1.1	930
03-05	41.9	20.5	10.1	25.3	2.2	37.5	1.8	930
06-08	26.5	31.3	17.4	22.4	2.5	42.3	2.5	930
09-11	14.6	36.0	21.2	26.2	1.9	49.4	2.0	930
12-14	14.7	34.9	22.0	26.2	2.0	50.3	1.3	930
15-17	14.2	35.2	23.7	25.9	1.1	50.6	2.0	930
18-20	25.7	34.7	14.2	24.9	.4	39.6	1.9	930
21-23	37.6	23.4	11.8	26.3	.8	38.9	.8	930
ALL HOURS	27.0	29.9	16.3	25.2	1.6	43.1	1.7	7440

MONTH: FEB HOURS: ALL

00-02	31.0	20.3	11.8	32.5	4.4	48.7	1.7	846
03-05	30.7	18.2	11.8	33.7	5.6	51.1	1.9	846
06-08	19.5	23.8	18.1	34.9	3.8	56.7	3.0	846
09-11	13.7	23.9	19.7	39.7	3.0	62.4	5.2	846
12-14	9.7	27.2	21.6	39.5	2.0	63.1	3.4	846
15-17	8.3	30.4	24.9	34.2	2.2	61.3	2.5	846
18-20	12.4	32.7	20.2	31.8	2.8	54.8	1.3	846
21-23	28.7	24.3	11.6	30.6	4.7	46.9	1.4	846
ALL HOURS	19.3	25.1	17.5	34.6	3.6	55.6	2.5	6768

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	30.2	20.3	12.3	36.2	1.0	49.5	1.9	930
03-05	31.4	20.4	11.1	36.2	.9	48.2	2.5	930
06-08	14.5	29.9	16.1	38.7	.8	55.6	5.2	930
09-11	12.7	24.7	21.9	40.4	.2	62.6	2.9	930
12-14	11.6	24.8	21.6	41.7	.2	63.5	1.6	930
15-17	9.0	25.3	26.0	39.2	.4	65.7	2.2	930
18-20	12.2	29.7	20.6	37.2	.3	58.2	1.7	930
21-23	27.3	21.9	11.7	38.4	.6	50.8	1.2	930
ALL HOURS	18.6	24.6	17.7	38.5	.6	56.7	2.4	7440

MONTH: APR HOURS: ALL

00-02	34.0	22.8	11.7	31.6		43.2	1.1	900
03-05	28.1	24.7	14.9	31.8	.6	47.2	1.7	900
06-08	11.6	33.4	19.8	34.7	.6	55.0	2.2	900
09-11	10.4	35.2	20.2	33.9	.2	54.3	1.4	900
12-14	5.7	36.6	25.1	32.7		57.8	2.6	900
15-17	4.6	33.9	29.8	31.8		61.6	4.2	900
18-20	6.4	40.2	24.0	29.3		53.3	3.1	900
21-23	27.8	27.2	13.6	31.4		45.0	.7	900
ALL HOURS	16.1	31.8	19.9	32.1	.2	52.2	2.1	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS
	CLEAR	SCATTERED	BROKEN OVERCAST	TOTAL OBSCURATION	
00-02	26.1	28.7	14.4	30.6	930
03-05	16.8	32.6	20.2	29.9	930
06-08	9.1	28.4	27.1	34.9	930
09-11	7.4	29.7	29.9	33.0	930
12-14	4.3	31.0	34.3	30.3	930
15-17	3.0	33.1	34.7	29.1	930
18-20	6.3	37.1	30.4	26.1	930
21-23	22.5	32.4	19.1	26.0	930
ALL HOURS	11.9	31.6	26.3	30.0	7440

MONTH: JUN HOURS: ALL

00-02	23.6	29.3	20.3	26.6	900
03-05	14.4	33.9	22.8	28.1	900
06-08	6.6	34.0	29.2	29.0	900
09-11	7.8	33.0	32.8	26.3	900
12-14	4.0	36.2	32.8	27.0	900
15-17	4.0	39.7	35.8	20.4	900
18-20	6.8	42.9	30.3	20.0	899
21-23	18.8	34.2	24.2	22.6	900
ALL HOURS	10.7	35.4	28.5	25.0	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	39.5	28.9	14.9	16.5	.2	31.6	.9	930
03-05	29.6	36.9	15.6	17.6	.3	33.5	2.9	930
06-08	13.0	40.3	28.3	18.1	.3	46.7	3.8	930
09-11	13.9	41.3	31.1	13.7	.1	44.8	1.9	930
12-14	7.4	46.2	35.2	11.2		46.3	1.0	930
15-17	7.3	53.5	30.3	8.8		39.1	1.3	930
18-20	12.2	53.7	25.8	8.4		34.2	1.3	930
21-23	31.3	40.3	16.8	11.6		28.4	.4	930
ALL HOURS	19.3	42.6	24.7	13.2	.1	38.1	1.7	7440

MONTH: AUG HOURS: ALL

00-02	31.9	30.9	15.9	20.9	.4	37.2	1.9	930
03-05	25.1	35.4	15.7	22.6	1.3	39.6	4.1	930
06-08	9.6	38.3	29.1	21.3	1.7	52.2	6.3	930
09-11	10.0	39.6	32.2	18.0	.3	50.4	3.7	930
12-14	6.1	46.7	31.8	15.4		47.2	1.7	930
15-17	5.4	52.4	31.1	11.2		42.3	2.0	930
18-20	9.6	51.6	26.6	12.0	.2	38.8	1.6	930
21-23	27.8	37.3	16.3	18.2	.3	34.8	1.3	930
ALL HOURS	15.7	41.5	24.8	17.4	.5	42.8	2.8	7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	41.3	22.1	15.8	20.6	.2	36.6	.3	900
03-05	40.4	22.3	14.8	22.4		37.2	1.6	900
06-08	17.9	36.7	23.6	21.9		45.4	2.9	900
09-11	15.1	36.9	26.3	21.7		48.0	.3	900
12-14	10.4	42.1	28.8	18.7		47.4		900
15-17	10.9	45.3	27.6	16.2		43.8	.3	900
18-20	20.8	39.3	20.7	19.2		39.9	.4	900
21-23	39.1	25.4	15.6	19.8	.1	35.4		900
ALL HOURS	24.5	33.8	21.6	20.1	.0	41.7	.7	7200

MONTH: OCT HOURS: ALL

00-02	36.0	23.8	10.3	28.9	1.0	40.2	1.2	930
03-05	36.8	21.1	10.6	29.8	1.7	42.2	1.8	930
06-08	15.3	32.5	19.5	31.1	1.7	52.3	1.8	930
09-11	12.5	29.0	26.8	30.8	1.0	58.5	.3	930
12-14	11.5	31.7	26.8	29.9	.1	56.8		930
15-17	12.5	34.8	26.7	26.0		52.7	.2	930
18-20	18.8	36.8	17.7	26.7		44.4	.5	930
21-23	31.6	26.6	14.8	26.7	.3	41.8	.6	930
ALL HOURS	21.9	29.5	19.2	28.7	.7	48.6	.8	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	36.1	20.8	9.2	32.9	1.0	43.1	.4	900
03-05	35.1	23.2	9.0	31.3	1.3	41.7	1.6	900
06-08	19.3	29.9	17.7	31.6	1.6	50.8	2.2	900
09-11	9.1	35.3	22.7	32.0	.9	55.6	1.7	900
12-14	9.6	34.6	25.3	30.3	.2	55.9	.8	900
15-17	9.0	35.2	26.1	29.4	.2	55.8	.6	900
18-20	19.2	29.9	22.3	28.0	.6	50.9	.4	900
21-23	30.9	24.1	14.1	29.8	1.1	45.0	.4	900
ALL HOURS	21.0	29.1	18.3	30.7	.9	49.8	1.0	7200

MONTH: DEC HOURS: ALL

00-02	33.2	22.7	11.7	31.0	1.4	44.1	1.9	880
03-05	32.7	21.0	9.9	35.6	.8	46.3	2.2	879
06-08	19.4	26.4	15.5	36.5	2.3	54.3	2.0	899
09-11	13.1	28.8	17.7	38.1	2.3	58.1	3.1	909
12-14	12.2	31.4	18.7	35.2	2.4	56.3	1.9	907
15-17	11.7	33.2	21.9	31.7	1.6	55.1	1.3	897
18-20	22.6	27.2	17.5	29.9	2.7	50.2	1.7	879
21-23	32.7	20.5	14.1	29.6	3.2	46.9	1.9	879
ALL HOURS	22.1	26.5	15.9	33.5	2.1	51.5	2.0	7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	33.7	24.5	13.2	27.7	1.0	41.8	1.3	10906
03-05	30.2	25.9	13.9	28.6	1.3	43.8	2.3	10905
06-08	15.1	32.1	21.8	29.5	1.4	52.7	3.1	10925
09-11	11.7	32.8	25.3	29.4	.8	55.5	2.0	10935
12-14	8.9	35.3	27.1	28.1	.6	55.7	1.2	10933
15-17	8.3	37.7	28.2	25.3	.5	54.0	1.5	10923
18-20	14.4	38.1	22.6	24.4	.6	47.5	1.2	10904
21-23	29.7	28.2	15.3	25.9	.9	42.1	.8	10905
ALL HOURS	19.0	31.8	20.9	27.4	.9	49.1	1.7	87336



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

E - 1 - 1

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 110						.1	.3		.1				.0
GE 105						.4	3.7	1.4	.4				.5
GE 100					.1	2.8	14.0	10.5	2.3	.1			2.5
GE 95				.2	.7	10.9	32.0	26.6	8.8	.4			6.6
GE 90			.1	1.0	5.3	27.9	57.2	51.3	22.1	2.3			13.9
GE 85		.1	.7	4.8	18.4	54.0	81.8	71.6	37.2	8.6			23.0
GE 80		.2	3.6	13.4	37.9	77.6	94.2	86.6	56.7	20.9	.5		32.5
GE 75	.1	.9	7.9	25.6	57.8	89.9	98.2	96.3	72.9	36.1	3.1	.1	40.7
GE 70	.4	2.8	15.8	41.6	74.4	95.6	99.4	99.1	85.3	53.8	9.9	.5	48.2
GE 65	1.2	5.8	25.4	56.5	87.1	98.6	99.9	99.9	93.3	68.2	21.7	3.7	55.2
GE 60	4.6	12.9	36.2	70.8	94.4	99.6	100.0	100.0	97.0	80.9	35.2	9.4	61.9
GE 55	11.0	21.6	47.6	82.6	98.4	100.0			98.5	91.3	50.4	18.4	68.5
GE 50	20.6	32.3	59.5	91.6	99.7				99.8	95.8	64.2	29.3	74.6
GE 45	32.3	43.8	70.8	96.7	100.0				99.9	99.3	76.9	42.4	80.3
GE 40	46.2	56.2	83.0	99.1					100.0	99.8	87.4	56.9	85.9
GE 35	59.3	71.0	91.0	99.9						99.9	94.8	71.9	90.8
GE 33	64.3	76.3	93.8	99.9						99.9	96.4	76.8	92.4
GE 30	71.9	81.3	96.1	99.9						100.0	97.5	82.7	94.2
GE 25	79.9	90.2	98.6	100.0							99.1	90.7	96.6
GE 20	87.0	95.7	99.2								99.8	95.3	98.1
GE 15	92.8	98.3	99.8								100.0	97.4	99.0
GE 10	97.6	99.5	99.9									99.0	99.7
GE 5	99.4	99.8	100.0									99.4	99.9
GE 0	99.9	100.0										99.9	100.0
GE -5	100.0											99.9	100.0
GE -10												100.0	100.0
MEAN	37.2	42.7	53.7	66.1	75.7	84.9	91.0	89.1	80.6	69.9	54.1	41.8	65.6
SD	14.02	13.93	14.42	11.63	9.39	8.09	7.57	8.07	10.58	10.98	12.08	13.18	21.64
TOTAL OBS	1361	1270	1425	1365	1397	1306	1371	1385	1378	1411	1378	1414	16461



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 85							.1						.0
GE 80						.6	3.0	1.2	.1				.4
GE 75					.4	5.9	17.7	13.0	3.3	.1			3.4
GE 70				.1	3.1	20.8	44.7	38.1	12.1	.6			9.9
GE 65			.1	2.3	11.0	47.0	74.3	65.3	26.3	2.6	.1		19.0
GE 60			1.0	6.4	28.3	70.3	90.6	84.2	43.0	8.6	.8	.1	27.6
GE 55	.1		2.3	14.6	48.5	88.4	97.4	95.5	60.3	19.5	2.4	.1	35.6
GE 50	.2	.2	5.8	26.7	66.9	96.6	99.4	99.0	76.5	33.5	5.8	.7	42.5
GE 45	.3	.9	10.5	43.0	83.2	99.2	99.9	100.0	88.0	51.3	11.5	1.6	49.1
GE 40	1.3	3.7	21.3	61.6	93.2	100.0	100.0		95.9	69.1	21.0	3.6	56.0
GE 35	4.5	10.4	35.2	78.8	98.1				99.2	84.4	36.4	9.6	63.2
GE 33	6.8	15.4	43.6	84.8	99.4				99.6	89.7	45.2	14.4	66.7
GE 30	14.0	24.6	56.0	92.3	99.8				100.0	94.5	58.6	23.5	72.1
GE 25	30.3	44.6	76.0	97.9	100.0					98.9	79.5	42.7	81.0
GE 20	46.9	61.8	87.2	99.5						100.0	91.1	63.4	87.6
GE 15	60.1	76.1	94.2	99.9							96.4	78.3	92.2
GE 10	72.2	86.1	97.3	99.9							98.3	87.1	95.1
GE 5	82.6	92.0	98.7	100.0							99.4	93.0	97.2
GE 0	90.9	95.4	99.2								99.9	96.0	98.5
GE -5	95.2	98.0	99.9								99.9	98.4	99.3
GE -10	98.8	99.1	100.0								100.0	99.3	99.8
GE -15	99.6	99.8										99.9	99.9
GE -20	99.9	99.9										99.9	100.0
GE -25	99.9	100.0										100.0	100.0
GE -30	100.0												100.0
MEAN	16.8	21.0	31.2	43.1	53.6	63.4	68.4	66.7	57.2	45.2	32.1	21.8	43.4
SD	12.14	11.33	11.06	10.19	9.09	7.31	6.46	6.85	10.09	10.14	10.25	11.04	20.24
TOTAL OBS	1361	1270	1425	1365	1397	1306	1371	1385	1378	1411	1378	1414	16461

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 95							.6	.1	.1				.1
GE 90						1.5	6.9	3.5	.4				1.0
GE 85					.1	6.9	25.2	19.3	4.4				4.6
GE 80				.6	2.9	23.0	51.4	44.3	15.1	.6			11.5
GE 75			.1	2.6	13.3	51.4	79.9	69.3	29.3	3.3			20.6
GE 70			1.1	8.4	31.3	76.3	95.1	89.6	49.6	11.0	.4		30.1
GE 65			3.0	16.5	52.0	90.6	98.8	97.6	67.9	25.2	1.8	.1	37.7
GE 60	.1	.6	8.6	32.4	72.1	97.9	100.0	99.9	83.9	43.4	5.7	.3	45.4
GE 55	.4	2.1	16.1	49.1	88.5	99.6		100.0	93.0	61.3	13.0	1.1	52.0
GE 50	1.8	5.7	27.3	68.6	96.6	100.0			98.0	79.2	26.5	4.2	59.1
GE 45	5.0	15.5	42.8	84.8	99.6				99.6	92.1	44.8	11.2	66.4
GE 40	16.1	28.4	60.8	94.5	100.0				100.0	98.0	64.1	26.2	74.2
GE 35	31.4	44.6	75.9	98.5						99.9	81.9	44.3	81.5
GE 33	38.1	51.3	80.6	99.5						99.9	87.0	52.0	84.2
GE 30	48.2	62.1	87.9	99.9						99.9	92.5	62.6	87.9
GE 25	62.0	75.4	95.1	99.9						100.0	96.4	77.2	92.3
GE 20	72.7	86.5	97.3	100.0							98.3	86.4	95.2
GE 15	81.2	92.3	99.0								99.5	93.1	97.1
GE 10	89.6	96.6	99.4								99.9	96.2	98.5
GE 5	95.6	98.7	99.9								99.9	98.7	99.4
GE 0	98.7	99.5	100.0								100.0	99.2	99.8
GE -5	99.9	100.0										99.6	100.0
GE -10	100.0											99.9	100.0
GE -15												99.9	100.0
GE -20												100.0	100.0
MEAN	27.2	32.3	42.6	54.8	64.8	74.3	79.9	78.1	69.1	57.7	43.2	32.0	54.7
SD	12.35	11.68	11.73	9.90	8.34	7.07	6.36	6.80	9.43	9.38	10.10	11.24	20.50
TOTAL OBS	1361	1270	1425	1365	1397	1306	1371	1385	1378	1411	1378	1414	16461

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			83	89	96	98	107	103	107	97	72	77	107*
40	40	69	88	89	92	102	109	104	97	91	73	64	109
41	*	61	76	83	94	97*	106	*	93	87	75	66	106*
42	63	61	79	92	91	92	103	102	92	85	77	60	103
43	61	70	84	90	91	96	101	106	95	85	71	67	106
44	66	74	66	76	94	99	98	104	94	82	79	48	104
45	59	67	82	82	88	94	99	98	99	88	79	62	99
46	60						106	106	94	83	70	71	106*
47	62	67	78	77*	88	*	*	103*	112	98	64	66	112*
48	55	70	78	89	89	96	96	100	98	84	71	63	100
49	53	61	75	84	88	97	105	100	88	91	78	60	105
50	64	70	86	92	94*								94*
56		69	83	87*	97*	104*	108*	106	105	93	72	66	108*
57	59	65	78	79	81	97	103	101	93	84	74	62	103
58	56	70	59	79	92	97	97	100	95	89	75	60	100
59	55	64	75	88	92	97	97	102	97	79	77	66	102
60	63	58	81	88	91	103	103	102	97	88	70	58	103
61	61	67	73	88	90	96	103	100	98	82	74	65	103
62	54	69	79	83	92	91	96	105	91	88	73	72	105
63	61	71	87	86	93	97	105	105	95	100	76	68	105
64	69	59	74	87	94	97	105	101	94	84	80	65	105
65	66	66	70	94	88	93	102	100	95	92	77	66	102
66	56	62	90	82	95	104	112	99	91	86	74	65	112
67	70	75	89	85	100	90	99	90	86	86	70	62	100
68	67	60	84	82	89	101	96	98	94	88	68	59	101
69	54	52	77	79	87	95	100	102	93	89	76	59	102
70	60	75	78	90	89	96	105	106	100	83	71	67	106
71	63	67	81	86	88	103	99	97	104	91*	78	56*	104*
72	61	86	87	89	88	96	106	99	100	88	67	64	106
73	60	64	72	82	92	107	103	101	91	85	72	69	107
74	67	68	83	83	91	101	110	95	87	81	72	58	110
75	55	56	77	84	91	92	102	106	103	93	74	71	106

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	62	79	84	85	83	97	99	105	103	93	74	67	105
77	49	78	81	85	88	95	103	97	90	86	72	68	103
78	52	50	87	86	90	105	105	108	104	89	82	57	108
79	43	55	80	86	85	97	98	95	96	91	70	67	98
80	60	63	73	87	90	110	111	104	100	91	84	66	111
81	75	77	77	88	84	95	98	96	92	80	74	67	98
82	50	73	76	86	86	91	98	100	94	92	74	67	100
83	61	64	76	77	86	93	104	109	101	87	70	39	109
84	52	70	68	83	86	95	103	103	99	81	71	70	103
85	56	57	73	86	90	92	101	97	95	79	77	50	101
86	73	74	85	84	83	94	101	91	90	76	71	52	101
87	54	68	75	92	89	100	104	107	91	89	78	60	107
88	63	74	84	85	92	105	102	103	97	80	77	67	105
89	72	71	85	98	97	101	103	102	92	90	77	67	103
90	74	72	80	86	86	103	107	103	102	90	83	69*	107*

GREATEST	75	86	90	98	100	110	112	109	112	100	84	77	112
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TOTAL OBS	1361	1270	1425	1365	1397	1306	1371	1385	1378	1411	1378	1414	16461
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THE GREATEST VALUE OF 112 OCCURRED ON 09/03/47

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			1	22	36	51	59	51	31	26	18	-5	-5*
40	-13	6	18	19	35	49	50	52	36	32	3	2	-13
41	*	11	13	34	42	46*	55	*	42	27	16	12	11*
42	-9	7	18	28	35	42	54	56	34	23	17	9	-9
43	-15	12	-2	31	40	55	57	47	41	25	18	-8	-15
44	-2	-1	13	20	27	50	52	52	42	31	12	7	-2
45	5	12	10	22	32	43	57	55	39	26	18	-9	-9
46	7						56	46	33	32	19	-8	-8*
47	-26	-2	7	27*	33	*	*	68*	40	33	12	2	-26*
48	-13	-3	-10	27	35	49	54	52	40	26	18	2	-13
49	-6	5	5	27	44	54	55	50	31	20	20	5	-6
50	-3	5	7	18	34*								-3*
56		-11	9	27*	45*	50*	65*	47	40	34	15	9	-11*
57	1	12	15	23	36	50	59	59	45	23	21	5	1
58	2	1	18	33	37	50	59	51	36	29	9	-1	-1
59	-20	-1	20	26	37	50	53	58	42	31	6	16	-20
60	1	-2	-3	30	35	52	53	57	45	24	14	6	-3
61	-3	1	20	22	28	50	54	49	36	26	17	-11	-11
62	-10	-3	-1	18	41	54	55	53	40	27	20	-8	-10
63	-10	8	18	27	36	56	62	54	41	29	17	-5	-10
64	-9	9	13	30	38	40	55	45	36	23	5	-3	-9
65	2	-5	8	28	40	53	55	52	37	26	5	14	-5
66	-7	0	14	25	33	52	65	54	39	21	12	-4	-7
67	-1	2	-5	20	32	50	48	47	33	30	18	-1	-5
68	-10	2	8	20	34	45	44	56	46	30	19	-7	-10
69	-10	5	2	30	38	47	59	57	43	22	16	5	-10
70	-3	4	16	16	33	49	48	51	39	27	9	13	-3
71	-14	-18	8	24	35	59	50	56	41	41*	25	14*	-18*
72	-6	-3	12	22	41	49	43	56	33	26	22	-2	-6
73	-6	11	28	30	34	50	56	55	39	28	26	2	-6
74	-11	12	18	32	40	46	56	45	35	31	23	13	-11
75	-1	2	0	7	40	45	49	54	35	26	1	2	-1

E - 3 - 2A

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	-9	11	14	25	27	48	56	51	35	21	-9	-11	-11
77	-16	8	12	32	47	52	52	55	46	27	13	3	-16
78	-10	-13	-7	26	35	46	59	55	43	28	22	3	-13
79	-17	-21	22	26	37	43	61	55	43	31	19	5	-21
80	-6	-6	-2	30	31	50	58	57	40	23	11	-1	-6
81	8	-4	20	34	33	48	60	51	36	28	24	2	-4
82	-9	-12	12	22	41	41	58	53	41	25	12	2	-12
83	5	-4	16	26	32	41	58	61	35	36	15	-14	-14
84	-6	12	17	30	34	48	56	59	30	29	22	11	-6
85	-10	-13	22	26	43	44	54	53	35	30	12	-5	-13
86	7	8	19	29	42	53	59	52	45	37	9	16	7
87	3	19	20	24	47	49	49	52	40	21	19	1	1
88	-5	-8	8	29	40	43	54	46	42	23	17	8	-8
89	10	-10	9	19	31	46	57	49	31	21	10	-25	-25
90	12	4	14	22	37	41	48	52	37	26	20	-2*	-2*
.....													
LEAST	-26	-21	-10	7	27	40	43	45	30	20	-9	-25	-26
.....													
TOTAL OBS	1361	1270	1425	1365	1397	1306	1371	1385	1378	1411	1378	1414	16461

THE LEAST VALUE OF -26 OCCURRED ON 01/04/47

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
39			45	54	69	75	83	77	75	60	44	37	62*
40	12	31	43	53	63	73	83	77	70	64	38	35	54
41	*	32	40	58	69	74*	80	*	71	58	45	38	56*
42	28	31	43	59	63	73	81	77	67	58	46	30	55
43	27	38	38	58	61	76	79	83	66	55	41	27	54
44	34	35	37	49	68	76	77	78	69	58	45	28	54
45	31	34	50	52	60	67	76	78	68	56	44	25	53
46	32						80	76	67	58	43	36	56*
47	31	28	37	52*	59	*	*	83*	74	67	38	32	49*
48	25	29	36	60	64	73	77	78	71	55	42	32	53
49	21	29	40	53	67	76	80	76	64	59	47	33	54
50	27	35	39	51	64*								41*
56		32	44	52*	70*	81*	86*	82	73	64	43	35	58*
57	24	37	43	52	63	73	84	81	66	55	41	38	55
58	31	27	36	53	67	74	77	78	71	60	47	30	54
59	24	32	45	54	67	76	76	82	68	54	38	38	55
60	28	26	30	57	64	73	76	80	72	59	44	32	53
61	29	35	43	50	60	72	78	77	65	58	41	25	53
62	23	33	40	52	73	73	78	79	66	60	45	33	55
63	19	34	48	58	66	78	82	80	72	68	47	25	57
64	34	34	40	57	69	74	83	74	69	56	46	29	56
65	31	29	34	58	69	74	79	76	66	59	46	39	55
66	27	33	49	52	66	78	86	74	65	55	43	30	55
67	30	33	46	57	60	72	73	72	63	55	41	32	53
68	27	30	47	53	58	73	77	77	70	58	40	28	53
69	26	32	35	55	65	70	80	76	69	53	43	30	53
70	25	37	40	55	70	74	80	81	68	54	42	36	55
71	24	27	42	57	62	79	78	79	73	65*	47	37*	56*
72	28	35	49	59	66	76	80	77	73	55	40	28	56
73	29	36	48	54	64	78	81	80	68	61	46	32	57
74	26	39	49	58	69	73	84	73	62	59	44	34	56
75	32	29	37	53	65	73	80	81	64	59	45	35	55

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: +06

PERIOD OF RECORD: 3903-5005,5602-9012  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	30	45	45	57	60	73	79	79	70	51	34	30	54
77	18	37	49	59	70	76	81	76	71	58	45	33	56
78	18	21	41	58	64	77	82	81	75	56	44	30	54
79	14	21	46	54	63	73	78	77	72	59	41	38	53
80	29	27	41	52	63	77	88	84	72	56	47	36	56
81	34	38	45	62	61	76	79	74	69	56	48	33	56
82	22	27	43	52	66	68	79	77	69	58	41	35	53
83	30	35	43	47	59	71	82	86	73	57	44	14	54
84	25	42	39	51	62	75	79	80	68	56	46	36	55
85	22	26	46	59	66	70	77	75	67	57	37	26	52
86	38	35	50	57	64	76	81	74	71	56	40	36	57
87	30	40	46	55	69	76	81	77	68	53	47	35	57
88	26	31	44	54	69	78	79	80	70	53	45	35	55
89	37	23	45	59	65	72	80	77	64	57	43	23	54
90	38	37	47	53	61	78	79	78	72	57	49	33*	57*
.....													
MEAN	27.2	32.3	42.6	54.8	64.8	74.3	79.9	78.1	69.1	57.7	43.2	32.0	54.7
.....													
TOTAL OBS	1361	1270	1425	1365	1397	1306	1371	1385	1378	1411	1378	1414	16461

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	26.3	11.285	930	20	685	0	0	0	930
03-05	24.8	11.355	930	25	714	0	0	0	930
06-08	23.8	11.243	930	40	733	0	0	0	930
09-11	29.0	11.910	930	18	556	0	0	0	930
12-14	36.6	13.227	930	3	341	12	0	0	930
15-17	38.3	13.551	930	2	328	16	0	0	930
18-20	32.0	11.546	930	6	471	1	0	0	930
21-23	28.2	11.180	930	15	621	0	0	0	930
ALL HOURS	29.9	12.924	7440	129	4449	29	0	0	7440

MONTH: FEB

00-02	29.1	13.224	846	38	473	0	0	0	846
03-05	27.4	12.891	846	42	541	0	0	0	846
06-08	26.5	12.881	846	45	551	0	0	0	846
09-11	32.2	13.695	846	19	386	1	0	0	846
12-14	39.2	15.099	846	4	258	35	0	0	846
15-17	41.6	15.583	846	3	225	57	0	0	846
18-20	36.1	13.723	846	7	305	7	0	0	846
21-23	31.5	13.113	846	20	407	0	0	0	846
ALL HOURS	32.9	14.761	6768	178	3146	100	0	0	6768

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	39.7	11.419	930	0	264	20	0	0	930
03-05	37.5	11.421	930	0	315	8	0	0	930
06-08	37.0	11.311	930	0	325	7	0	0	930
09-11	45.0	11.802	930	0	137	58	0	0	930
12-14	52.0	12.878	930	0	59	161	12	0	930
15-17	53.9	13.154	930	0	46	211	30	0	930
18-20	48.6	11.985	930	0	81	96	2	0	930
21-23	42.9	11.185	930	0	167	42	0	0	930
ALL HOURS	44.6	13.338	7440	0	1394	603	44	0	7440

MONTH: APR

00-02	49.1	11.348	900	0	45	109	0	0	900
03-05	47.0	11.524	900	0	74	85	0	0	900
06-08	47.9	11.206	900	0	62	86	1	0	900
09-11	57.0	11.191	900	0	2	222	20	0	900
12-14	62.9	12.315	900	0	1	366	105	4	900
15-17	64.4	12.605	900	0	0	414	126	10	900
18-20	59.6	11.760	900	0	0	290	49	1	900
21-23	52.8	11.005	900	0	10	139	12	0	900
ALL HOURS	55.1	13.306	7200	0	194	1711	313	15	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	58.5	8.360	930	0	0	241	0	0	930
03-05	56.5	8.513	930	0	2	171	0	0	930
06-08	58.5	7.928	930	0	1	224	2	0	930
09-11	66.7	7.795	930	0	0	578	41	0	930
12-14	71.8	8.476	930	0	0	739	182	5	930
15-17	72.9	8.640	930	0	0	777	229	6	930
18-20	68.7	8.273	930	0	0	645	78	0	930
21-23	61.7	8.089	930	0	0	360	7	0	930
ALL HOURS	64.4	10.214	7440	0	3	3735	539	11	7440

MONTH: JUN

00-02	67.8	7.573	900	0	0	640	40	0	900
03-05	65.5	7.471	900	0	0	567	13	0	900
06-08	68.2	7.269	900	0	0	653	43	0	900
09-11	76.6	7.948	900	0	0	837	337	21	900
12-14	81.4	8.684	900	0	0	867	556	79	900
15-17	82.7	8.428	900	0	0	878	604	101	900
18-20	78.7	7.816	899	0	0	858	422	29	899
21-23	71.4	7.426	900	0	0	728	139	0	900
ALL HOURS	74.0	10.041	7199	0	0	6028	2154	230	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	73.2	6.554	930	0	0	825	173	0	930
03-05	70.5	6.437	930	0	0	754	60	0	930
06-08	72.5	6.358	930	0	0	826	122	0	930
09-11	81.8	6.630	930	0	0	920	603	47	930
12-14	87.6	7.282	930	0	0	924	810	229	930
15-17	89.0	7.331	930	0	0	927	842	311	930
18-20	84.1	6.938	930	0	0	923	715	96	930
21-23	76.7	6.606	930	0	0	895	340	0	930
ALL HOURS	79.4	9.496	7440	0	0	6994	3665	683	7440

MONTH: AUG

00-02	71.7	7.320	930	0	0	778	146	0	930
03-05	69.3	7.026	930	0	0	713	63	0	930
06-08	70.4	7.064	930	0	0	749	95	0	930
09-11	79.4	7.758	930	0	0	907	457	45	930
12-14	85.5	8.498	930	0	0	922	690	203	930
15-17	86.9	8.530	930	0	0	925	737	239	930
18-20	81.1	8.107	930	0	0	913	529	81	930
21-23	74.6	7.539	930	0	0	841	255	1	930
ALL HOURS	77.4	10.066	7440	0	0	6748	2972	569	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	63.5	10.833	900	0	0	446	57	0	900
03-05	61.3	10.761	900	0	4	380	15	0	900
06-08	61.5	10.427	900	0	4	390	14	0	900
09-11	71.2	10.353	900	0	0	677	201	6	900
12-14	77.6	10.991	900	0	0	771	431	60	900
15-17	78.8	11.115	900	0	0	788	487	85	900
18-20	71.7	10.897	900	0	0	681	222	17	900
21-23	65.7	10.805	900	0	0	525	74	0	900
ALL HOURS	68.9	12.551	7200	0	8	4658	1501	168	7200

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	51.1	10.283	930	0	26	98	0	0	930
03-05	49.3	10.451	930	0	57	77	0	0	930
06-08	49.0	10.219	930	0	54	65	0	0	930
09-11	57.6	9.568	930	0	1	228	11	0	930
12-14	64.6	10.242	930	0	0	489	67	0	930
15-17	65.4	10.389	930	0	0	499	76	0	930
18-20	57.8	9.813	930	0	1	237	17	0	930
21-23	53.3	10.203	930	0	14	149	0	0	930
ALL HOURS	56.0	11.832	7440	0	153	1842	171	0	7440

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	39.6	11.669	900	0	247	18	0	0	900
03-05	37.8	11.709	900	0	299	15	0	0	900
06-08	37.1	11.668	900	0	334	13	0	0	900
09-11	44.0	11.785	900	0	138	38	0	0	900
12-14	51.4	12.815	900	0	75	150	2	0	900
15-17	51.7	12.720	900	0	67	148	3	0	900
18-20	44.8	11.230	900	0	112	30	0	0	900
21-23	41.0	11.261	900	0	188	17	0	0	900
ALL HOURS	43.4	12.962	7200	0	1460	429	5	0	7200

MONTH: DEC

00-02	27.4	13.262	880	45	580	3	0	0	880
03-05	26.0	13.135	879	45	618	0	0	0	879
06-08	25.2	13.096	899	47	654	0	0	0	899
09-11	29.8	13.400	909	40	497	3	0	0	909
12-14	36.4	14.430	907	22	319	11	0	0	907
15-17	37.5	14.442	897	21	297	19	0	0	897
18-20	31.9	12.727	879	28	402	3	0	0	879
21-23	28.9	12.830	879	33	515	3	0	0	879
ALL HOURS	30.4	14.112	7129	281	3882	42	0	0	7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	49.9	19.591	10906	103	2320	3178	416	0	10906
03-05	48.0	19.300	10905	112	2624	2770	151	0	10905
06-08	48.3	20.148	10925	132	2718	3013	277	0	10925
09-11	56.0	21.524	10935	77	1717	4469	1670	119	10935
12-14	62.4	21.478	10933	29	1053	5447	2855	580	10933
15-17	63.8	21.478	10923	26	963	5659	3134	752	10923
18-20	58.1	21.182	10904	41	1372	4684	2034	224	10904
21-23	52.6	19.915	10905	68	1922	3699	827	1	10905
ALL HOURS	54.9	21.395	87336	588	14689	32919	11364	1676	87336

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT FILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN	NUMBER OF LE 32	GE 50	GE 67	GE 73	GE 80	TEMPERATURES DEG F	TOTAL HOURS
00-02	23.9	10.194	930	765	6	0	0	0	0		930
03-05	22.8	10.489	930	786	3	0	0	0	0		930
06-08	22.0	10.617	929	792	3	0	0	0	0		929
09-11	26.0	10.591	930	665	6	0	0	0	0		930
12-14	31.0	10.509	930	473	21	0	0	0	0		930
15-17	31.9	10.322	929	448	23	0	0	0	0		929
18-20	28.0	9.778	930	622	8	0	0	0	0		930
21-23	25.5	10.007	930	716	7	0	0	0	0		930
ALL HOURS	26.4	10.852	7438	5267	77	0	0	0	0		7438

MONTH: FEB

00-02	26.8	12.131	846	564	5	0	0	0	0		846
03-05	25.4	12.110	846	609	6	0	0	0	0		846
06-08	24.6	12.261	846	624	9	0	0	0	0		846
09-11	28.9	12.172	846	463	13	0	0	0	0		846
12-14	33.3	12.084	846	356	58	0	0	0	0		846
15-17	34.7	12.031	846	328	76	0	0	0	0		846
18-20	31.6	11.577	845	406	21	0	0	0	0		845
21-23	28.6	11.840	846	503	9	0	0	0	0		846
ALL HOURS	29.2	12.489	6767	3853	197	0	0	0	0		6767



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	36.2	10.350	930	370	112	0	0	0	930
03-05	34.6	10.523	930	401	85	0	0	0	930
06-08	34.4	10.536	929	408	87	0	0	0	929
09-11	39.5	10.021	930	225	150	0	0	0	930
12-14	43.2	9.811	930	136	239	0	0	0	930
15-17	44.1	9.678	930	112	262	2	0	0	930
18-20	41.4	9.656	930	165	189	0	0	0	930
21-23	38.3	9.868	930	268	135	0	0	0	930
ALL HOURS	39.0	10.647	7439	2085	1259	2	0	0	7439

MONTH: APR

00-02	44.6	10.155	900	89	275	10	0	0	900
03-05	43.3	10.582	899	143	246	2	0	0	899
06-08	44.0	10.232	900	114	264	7	0	0	900
09-11	49.2	9.540	900	23	412	39	0	0	900
12-14	51.8	9.545	900	10	491	78	5	0	900
15-17	52.3	9.377	900	10	508	78	1	0	900
18-20	50.1	9.421	899	19	428	47	0	0	899
21-23	46.8	9.664	900	51	329	16	0	0	900
ALL HOURS	47.8	10.386	7198	459	2953	277	6	0	7198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	54.5	7.414	930	4	688	30	1	0	930
03-05	53.1	7.750	930	7	636	23	3	0	930
06-08	54.7	7.315	930	2	702	34	3	0	930
09-11	59.1	6.827	930	0	843	127	8	0	930
12-14	61.2	6.762	930	0	883	224	27	0	930
15-17	61.7	6.567	930	0	890	245	33	0	930
18-20	59.9	6.674	930	0	859	156	15	0	930
21-23	56.7	6.977	930	0	774	58	0	0	930
ALL HOURS	57.6	7.682	7440	13	6275	897	90	0	7440

MONTH: JUN

00-02	63.5	6.480	899	0	865	330	32	0	899
03-05	62.0	6.677	900	0	850	251	9	0	900
06-08	63.7	6.322	900	0	875	348	47	0	900
09-11	67.7	6.118	900	0	898	552	225	1	900
12-14	69.4	6.074	900	0	898	636	331	8	900
15-17	69.9	5.781	900	0	900	658	336	13	900
18-20	68.6	5.868	899	0	898	616	252	9	899
21-23	65.7	6.032	900	0	893	462	101	0	900
ALL HOURS	66.3	6.814	7198	0	7077	3853	1333	31	7198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	67.8	4.828	930	0	930	625	136	0	930
03-05	66.4	5.127	930	0	924	552	90	0	930
06-08	67.7	4.711	930	0	928	624	117	0	930
09-11	71.5	3.944	930	0	930	816	433	5	930
12-14	72.8	4.088	930	0	930	854	560	19	930
15-17	73.0	4.075	930	0	930	862	556	33	930
18-20	71.8	4.240	930	0	930	820	440	13	930
21-23	69.4	4.561	930	0	930	699	245	0	930
ALL HOURS	70.1	5.075	7440	0	7432	5852	2577	70	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	66.4	5.517	930	0	926	508	107	0	930
03-05	65.2	5.740	930	0	918	437	67	0	930
06-08	66.0	5.648	930	0	925	482	97	0	930
09-11	70.1	5.121	930	0	929	719	352	1	930
12-14	71.7	5.206	930	0	930	767	487	17	930
15-17	72.0	5.071	930	0	930	777	504	27	930
18-20	70.3	5.157	930	0	930	719	370	11	930
21-23	67.9	5.417	930	0	930	593	192	2	930
ALL HOURS	68.7	5.945	7440	0	7418	5002	2176	58	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	58.9	9.103	900	2	751	209	21	0	900
03-05	57.5	9.414	900	5	715	171	9	0	900
06-08	57.8	9.306	900	6	722	175	5	0	900
09-11	62.7	8.430	900	0	829	341	101	0	900
12-14	64.8	8.314	900	0	846	448	159	1	900
15-17	64.9	8.252	900	0	849	461	167	1	900
18-20	62.6	8.377	900	0	821	337	92	0	900
21-23	60.1	8.857	900	0	785	239	48	0	900
ALL HOURS	61.2	9.180	7200	13	6318	2381	602	2	7200

MONTH: OCT

00-02	47.3	9.448	930	58	376	4	0	0	930
03-05	46.1	9.783	930	76	334	4	0	0	930
06-08	45.9	9.577	930	72	322	5	0	0	930
09-11	51.0	8.441	929	9	519	30	0	0	929
12-14	54.1	8.069	930	0	636	63	0	0	930
15-17	54.3	8.123	929	0	636	51	0	0	929
18-20	51.0	8.518	930	11	508	20	0	0	930
21-23	48.7	9.085	930	27	437	6	0	0	930
ALL HOURS	49.8	9.438	7438	253	3768	183	0	0	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	36.4	10.776	900	333	112	0	0	0	900
03-05	35.0	10.849	900	388	93	0	0	0	900
06-08	34.6	10.992	900	424	100	0	0	0	900
09-11	39.3	10.482	900	224	157	0	0	0	900
12-14	43.1	10.190	900	128	264	0	0	0	900
15-17	43.0	9.860	900	114	231	0	0	0	900
18-20	39.4	9.810	900	211	135	0	0	0	900
21-23	37.1	10.169	900	297	106	0	0	0	900
ALL HOURS	38.5	10.847	7200	2119	1198	0	0	0	7200

MONTH: DEC

00-02	25.2	12.353	880	665	14	0	0	0	880
03-05	24.0	12.376	879	695	6	0	0	0	879
06-08	23.4	12.409	899	729	13	0	0	0	899
09-11	26.9	12.146	909	611	14	0	0	0	909
12-14	31.2	12.017	907	426	26	0	0	0	907
15-17	31.8	11.849	897	409	28	0	0	0	897
18-20	28.4	11.437	879	533	15	0	0	0	879
21-23	26.4	11.842	879	631	13	0	0	0	879
ALL HOURS	27.2	12.420	7129	4699	129	0	0	0	7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550      STATION NAME: FORT RILEY/MARSHALL AAF KS      PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6      MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	46.1	18.159	10905	2850	5060	1716	297	0	10905
03-05	44.8	18.237	10904	3110	4816	1440	178	0	10904
06-08	45.1	18.866	10923	3171	4950	1675	269	0	10923
09-11	49.5	18.642	10934	2220	5700	2624	1119	7	10934
12-14	52.4	17.575	10933	1529	6222	3070	1569	45	10933
15-17	53.0	17.289	10921	1421	6263	3134	1597	74	10921
18-20	50.5	17.949	10902	1967	5742	2715	1169	33	10902
21-23	47.8	18.054	10905	2493	5348	2073	586	2	10905
ALL HOURS	48.6	18.347	87327	18761	44101	18447	6784	161	87327

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	18.0	11.746	930	742	25	930	0	930
03-05	17.3	12.064	930	766	16	930	0	930
06-08	16.8	12.392	929	775	25	929	0	929
09-11	19.1	12.298	930	707	39	930	0	930
12-14	20.9	11.955	930	648	55	930	0	930
15-17	20.8	11.579	929	660	45	929	0	929
18-20	19.9	11.351	930	696	35	930	0	930
21-23	19.0	11.733	930	715	36	930	0	930
ALL HOURS	19.0	11.998	7438	5709	276	7438	0	7438

MONTH: FEB

00-02	21.7	13.399	846	557	90	845	0	846
03-05	20.6	13.539	846	586	78	843	0	846
06-08	19.8	13.806	846	592	72	844	0	846
09-11	22.3	13.642	846	487	92	843	0	846
12-14	23.8	13.007	846	473	141	843	0	846
15-17	24.1	12.522	846	489	131	842	0	846
18-20	23.7	12.536	845	494	120	843	0	846
21-23	22.9	12.936	846	512	109	846	0	846
ALL HOURS	22.4	13.276	6767	4190	833	6749	0	6767

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	30.9	11.890	930	393	299	910	0	930
03-05	29.9	11.967	930	415	264	908	0	930
06-08	30.0	11.824	929	392	251	907	0	929
09-11	32.0	11.783	930	325	318	901	0	930
12-14	32.3	11.971	930	326	336	896	0	930
15-17	32.2	12.173	930	335	336	893	0	930
18-20	32.0	11.929	930	333	322	900	0	930
21-23	31.9	11.566	930	334	315	907	0	930
ALL HOURS	31.4	11.935	7439	2853	2441	7222	0	7439

MONTH: APR

00-02	39.7	11.274	900	122	506	801	3	900
03-05	39.0	11.542	899	134	481	802	2	900
06-08	39.7	11.227	900	119	525	806	6	900
09-11	41.3	11.738	900	108	560	778	21	900
12-14	41.0	12.480	900	137	535	768	23	900
15-17	40.7	12.495	900	149	540	772	16	900
18-20	40.5	12.115	899	126	533	775	10	900
21-23	40.5	11.278	900	98	535	787	3	900
ALL HOURS	40.3	11.817	7198	993	4215	6289	84	7198



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	51.4	8.087	930	2	898	623	30	930
03-05	50.3	8.412	930	2	877	652	28	930
06-08	51.6	8.321	930	5	888	597	37	930
09-11	53.4	9.049	930	8	885	498	74	930
12-14	53.7	9.369	930	6	889	470	98	930
15-17	53.7	9.289	930	6	890	483	98	930
18-20	53.5	8.859	930	6	891	502	85	930
21-23	52.9	7.847	930	3	900	563	45	930
ALL HOURS	52.6	8.783	7440	38	7118	4388	495	7440

MONTH: JUN

00-02	60.9	6.946	899	0	898	199	328	900
03-05	59.9	7.127	900	0	898	232	280	900
06-08	61.0	6.995	900	0	899	188	342	900
09-11	62.7	7.557	900	0	898	154	437	900
12-14	62.9	7.838	900	0	896	170	443	900
15-17	63.0	7.759	900	0	900	166	441	900
18-20	63.1	7.493	899	0	899	147	448	900
21-23	62.4	6.857	900	0	900	150	401	900
ALL HOURS	62.0	7.446	7198	0	7188	1406	3120	7198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	65.0	5.124	930	0	930	47	556	930
03-05	64.2	5.370	930	0	930	71	512	930
06-08	65.2	4.766	930	0	930	35	580	930
09-11	66.5	4.839	930	0	930	22	635	930
12-14	65.7	5.868	930	0	930	47	568	930
15-17	65.1	6.196	930	0	930	73	523	930
18-20	65.7	5.810	930	0	930	48	570	930
21-23	65.6	5.270	930	0	930	43	592	930
ALL HOURS	65.4	5.492	7440	0	7440	386	4536	7440

MONTH: AUG

00-02	63.5	6.117	930	0	930	93	463	930
03-05	62.8	6.017	930	0	930	116	415	930
06-08	63.6	5.902	930	0	930	86	451	930
09-11	65.3	6.154	930	0	930	70	571	930
12-14	64.7	7.219	930	0	930	99	528	930
15-17	64.4	7.423	930	0	929	120	515	930
18-20	64.6	7.066	930	0	930	95	520	930
21-23	64.3	6.380	930	0	930	85	504	930
ALL HOURS	64.2	6.641	7440	0	7439	764	3967	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	55.8	9.463	900	2	862	403	171	900
03-05	54.9	9.664	900	3	855	426	146	900
06-08	55.2	9.718	900	3	859	418	170	900
09-11	57.2	9.968	900	3	865	350	230	900
12-14	56.7	10.680	900	4	856	359	233	900
15-17	56.1	10.819	900	11	854	382	220	900
18-20	56.7	9.804	900	2	867	361	210	900
21-23	56.3	9.389	900	0	868	383	184	900
ALL HOURS	56.1	9.996	7200	28	6886	3082	1564	7200

MONTH: OCT

00-02	43.3	10.686	930	53	641	769	6	930
03-05	42.7	10.871	930	64	608	778	8	930
06-08	42.6	10.639	930	65	633	796	7	930
09-11	44.7	10.819	929	51	720	759	20	930
12-14	44.6	11.351	930	64	684	742	25	930
15-17	44.1	11.612	929	77	668	751	20	930
18-20	44.6	10.841	930	64	701	765	13	930
21-23	44.0	10.584	930	47	684	780	10	930
ALL HOURS	43.8	10.979	7438	485	5339	6140	109	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	31.5	12.057	900	344	262	870	2	900
03-05	30.6	12.005	900	361	242	872	0	900
06-08	30.4	12.154	900	362	236	869	0	900
09-11	33.0	11.933	900	273	314	864	0	900
12-14	33.0	11.976	900	276	336	868	0	900
15-17	32.3	11.788	900	293	323	870	0	900
18-20	31.9	11.692	900	309	290	873	0	900
21-23	31.4	11.642	900	319	271	881	0	900
ALL HOURS	31.8	11.954	7200	2537	2274	6967	2	7200

MONTH: DEC

00-02	20.0	13.551	880	645	57	874	0	907
03-05	19.1	13.606	879	662	60	876	0	907
06-08	18.7	13.613	899	689	54	896	0	907
09-11	20.7	13.518	909	611	56	906	0	907
12-14	22.0	13.092	907	588	75	902	0	907
15-17	22.1	13.018	897	582	83	891	0	907
18-20	21.5	12.950	879	598	70	873	0	907
21-23	20.8	13.121	879	627	58	873	0	907
ALL HOURS	20.6	13.374	7129	5002	513	7091	0	7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	42.0	19.615	10905	2860	6398	7364	1559	10905
03-05	41.2	19.717	10904	2993	6239	7506	1391	10904
06-08	41.4	20.198	10923	3002	6302	7371	1593	10923
09-11	43.3	20.031	10934	2573	6607	7075	1988	10934
12-14	43.6	19.596	10933	2522	6663	7094	1918	10933
15-17	43.4	19.474	10921	2602	6629	7172	1833	10921
18-20	43.3	19.600	10902	2628	6588	7112	1856	10902
21-23	42.9	19.563	10905	2655	6536	7228	1739	10905
ALL HOURS	42.6	19.746	87327	21835	51962	57922	13877	87327

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	99.1	94.3	87.6	72.3	54.3	32.0	14.8	70.3	930
03-05	100.0	100.0	99.9	96.5	90.6	77.8	59.2	37.3	16.7	72.3	930
06-08	100.0	100.0	100.0	97.6	92.2	80.3	60.5	37.8	16.9	73.3	929
09-11	100.0	100.0	98.7	93.7	80.4	64.8	44.1	24.1	9.4	66.2	930
12-14	100.0	98.4	90.8	75.4	53.5	39.7	21.5	9.8	3.4	53.9	930
15-17	100.0	96.7	86.1	66.8	49.0	36.1	18.9	6.6	2.7	50.9	929
18-20	100.0	99.7	95.9	87.6	71.1	55.6	36.1	15.1	4.7	61.1	930
21-23	100.0	100.0	98.7	92.8	84.6	68.0	49.6	27.4	10.4	67.9	930
ALL HOURS	100.0	99.3	96.2	88.1	76.1	61.8	43.0	23.8	9.9	64.5	7438

MONTH: FEB

00-02	100.0	100.0	100.0	98.0	93.5	78.4	60.4	39.2	17.8	73.6	846
03-05	100.0	100.0	100.0	99.1	93.5	81.1	65.2	41.5	18.0	74.7	846
06-08	100.0	100.0	100.0	99.6	94.3	81.6	66.4	43.0	20.2	75.3	846
09-11	100.0	100.0	99.6	94.3	82.6	63.2	44.3	25.1	10.6	66.9	846
12-14	100.0	99.8	94.9	78.0	57.8	35.7	22.3	14.3	5.6	55.1	846
15-17	100.0	98.9	90.0	69.9	47.2	30.6	20.0	11.0	4.5	51.6	846
18-20	100.0	100.0	98.3	88.4	72.3	52.7	34.6	16.1	7.5	61.4	845
21-23	100.0	100.0	99.9	98.0	90.0	73.5	53.0	30.1	13.1	70.3	846
ALL HOURS	100.0	99.8	97.8	90.7	78.9	62.1	45.8	27.5	12.2	66.1	6767

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	99.9	98.7	97.4	89.9	76.0	56.5	34.0	14.0	71.2	930
03-05	100.0	99.7	99.6	98.0	92.6	81.9	62.8	39.6	15.8	74.0	930
06-08	100.0	100.0	100.0	98.7	95.5	84.2	69.1	42.9	18.4	75.7	929
09-11	100.0	99.5	97.6	88.6	72.2	53.1	34.8	21.7	8.3	62.0	930
12-14	100.0	97.6	84.7	62.5	42.8	28.4	20.3	13.0	4.9	50.1	930
15-17	100.0	95.8	76.8	55.6	37.4	25.8	18.9	13.0	4.4	47.3	930
18-20	100.0	99.0	90.3	74.2	57.3	38.9	25.5	15.9	6.5	55.2	930
21-23	100.0	99.7	98.2	93.9	82.4	63.8	42.3	23.8	10.3	66.1	930
ALL HOURS	100.0	98.9	93.2	83.6	71.2	56.5	41.3	25.5	10.3	62.7	7439

MONTH: APR

00-02	100.0	100.0	100.0	98.1	91.8	77.3	57.1	32.3	9.3	71.1	900
03-05	100.0	100.0	100.0	99.0	95.8	85.1	66.7	41.4	13.3	74.6	899
06-08	100.0	100.0	100.0	99.4	94.2	83.1	65.8	39.0	13.8	74.1	900
09-11	100.0	100.0	95.9	84.3	64.3	44.4	28.7	13.9	4.2	58.0	900
12-14	100.0	98.2	82.0	58.4	40.1	27.7	16.7	8.0	1.9	47.9	900
15-17	100.0	97.4	76.0	50.6	35.3	24.9	15.7	10.0	2.4	45.6	900
18-20	100.0	99.7	89.3	70.3	47.3	33.0	20.6	11.7	3.9	52.1	899
21-23	100.0	100.0	99.7	95.0	79.3	60.0	38.1	21.4	7.2	64.7	900
ALL HOURS	100.0	99.4	92.9	81.9	68.5	54.4	38.7	22.2	7.0	61.0	7198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550 STATION NAME: FORT RILEY/MARSHALL AAF KS PERIOD OF RECORD: JAN 81 - DEC 90  
LST TO UTC: + 6 MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.9	97.0	87.8	75.1	56.3	23.5	78.5	930
03-05	100.0	100.0	99.9	99.6	97.4	91.6	81.4	64.1	28.2	80.9	930
06-08	100.0	100.0	99.9	99.2	97.2	89.6	77.3	58.0	25.6	79.0	930
09-11	100.0	99.8	98.4	92.5	81.4	63.0	40.0	19.1	6.8	64.3	930
12-14	100.0	99.5	94.4	80.4	63.3	39.9	20.1	10.3	2.7	55.6	930
15-17	100.0	99.2	93.1	77.8	56.6	33.3	19.4	10.1	2.5	53.7	930
18-20	100.0	99.7	97.1	89.5	72.3	52.0	32.7	15.2	4.1	60.7	930
21-23	100.0	100.0	100.0	99.6	94.6	82.3	64.4	43.4	14.0	74.1	930
ALL HOURS	100.0	99.8	97.8	92.3	82.5	67.4	51.3	34.6	13.4	68.3	7440

MONTH: JUN

00-02	100.0	100.0	100.0	100.0	97.9	94.1	80.0	54.7	24.5	79.5	899
03-05	100.0	100.0	100.0	99.9	98.8	96.1	87.7	67.1	36.3	82.9	900
06-08	100.0	100.0	100.0	99.7	97.7	91.6	78.2	54.7	25.9	79.0	900
09-11	100.0	100.0	99.3	93.8	81.8	62.1	36.7	15.9	5.1	64.1	900
12-14	100.0	100.0	96.0	83.7	65.3	40.0	19.3	8.4	2.8	55.9	900
15-17	100.0	100.0	95.2	80.1	58.4	34.2	16.8	5.8	2.2	53.9	900
18-20	100.0	100.0	98.2	91.1	76.6	53.5	30.7	11.2	3.8	61.0	899
21-23	100.0	100.0	100.0	98.4	95.4	87.7	66.7	36.7	14.4	74.4	900
ALL HOURS	100.0	100.0	98.6	93.3	84.0	69.9	52.0	31.8	14.4	68.8	7198



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	97.3	87.6	70.1	44.8	21.8	76.7	930
03-05	100.0	100.0	100.0	100.0	99.6	94.2	83.8	59.7	32.2	81.5	930
06-08	100.0	100.0	100.0	100.0	99.5	94.0	77.3	48.5	24.4	78.9	930
09-11	100.0	100.0	99.8	95.7	79.9	52.9	25.7	10.8	3.4	61.5	930
12-14	100.0	99.8	96.0	75.4	47.8	24.3	11.8	4.4	1.1	50.5	930
15-17	100.0	99.6	91.4	65.7	41.3	18.2	9.8	2.8	1.2	47.5	930
18-20	100.0	100.0	98.2	86.2	64.3	38.1	20.0	6.9	1.8	56.1	930
21-23	100.0	100.0	100.0	99.0	91.3	76.5	52.0	28.8	10.4	70.3	930
ALL HOURS	100.0	99.9	98.2	90.3	77.6	60.7	43.8	25.8	12.0	65.4	7440

MONTH: AUG

00-02	100.0	100.0	100.0	99.8	95.8	84.3	67.6	48.9	29.4	77.1	930
03-05	100.0	100.0	100.0	100.0	98.7	93.4	77.4	59.5	36.3	81.0	930
06-08	100.0	100.0	100.0	100.0	99.4	93.2	76.7	54.7	30.9	80.0	930
09-11	100.0	100.0	99.7	93.8	80.5	60.4	36.8	17.4	5.5	64.0	930
12-14	100.0	99.8	92.8	76.0	54.5	33.9	17.7	4.6	1.6	52.7	930
15-17	100.0	99.5	89.1	70.2	50.4	28.5	13.9	5.1	1.5	50.2	930
18-20	100.0	100.0	96.1	85.4	71.1	53.2	32.4	13.5	4.1	60.2	930
21-23	100.0	100.0	100.0	97.7	88.6	75.2	59.6	39.1	19.6	72.4	930
ALL HOURS	100.0	99.9	97.2	90.4	79.9	65.3	47.8	30.4	16.1	67.2	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.8	99.4	95.0	84.8	72.2	54.3	27.1	78.0	900
03-05	100.0	100.0	99.9	99.6	98.0	90.8	78.1	61.4	32.3	80.9	900
06-08	100.0	100.0	100.0	99.9	98.8	92.6	78.3	60.4	32.7	81.0	900
09-11	100.0	100.0	99.7	93.7	76.9	57.3	36.4	19.7	8.4	63.5	900
12-14	100.0	99.8	93.0	70.4	48.0	29.3	17.0	9.8	4.2	51.4	900
15-17	100.0	99.3	90.8	62.1	42.2	23.8	14.4	8.6	2.9	48.8	900
18-20	100.0	100.0	98.3	90.9	72.4	55.4	34.8	17.3	6.0	61.9	900
21-23	100.0	100.0	99.7	98.3	92.0	78.8	62.2	40.9	18.4	73.7	900
ALL HOURS	100.0	99.9	97.6	89.3	77.9	64.1	49.2	34.1	16.5	67.4	7200

MONTH: OCT

00-02	100.0	100.0	99.9	98.9	91.6	80.0	66.5	52.3	29.1	76.5	930
03-05	100.0	100.0	100.0	99.0	94.4	85.6	73.2	59.8	33.5	79.3	930
06-08	100.0	100.0	100.0	98.7	96.2	88.9	75.3	58.5	32.9	79.9	930
09-11	100.0	99.8	97.3	90.0	75.9	58.9	42.3	28.1	12.9	64.9	929
12-14	100.0	98.9	86.7	67.1	47.6	31.9	22.7	14.4	6.0	52.0	930
15-17	100.0	98.1	82.8	61.8	44.3	28.8	19.7	13.1	5.6	50.0	929
18-20	100.0	99.9	97.8	88.8	73.8	57.8	40.2	27.7	11.8	64.2	930
21-23	100.0	100.0	99.6	96.6	85.2	73.3	59.5	45.5	22.9	73.0	930
ALL HOURS	100.0	99.6	95.5	87.6	76.1	63.2	49.9	37.4	19.4	67.5	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	98.9	91.9	78.6	60.7	38.0	11.6	72.8	900
03-05	100.0	100.0	100.0	99.1	94.9	85.2	67.7	42.9	13.9	75.1	900
06-08	100.0	100.0	100.0	99.6	95.9	88.7	72.6	45.3	17.8	76.6	900
09-11	100.0	100.0	99.1	93.6	81.4	65.1	44.8	24.6	6.7	66.0	900
12-14	100.0	99.3	88.8	68.2	49.6	31.0	20.1	12.7	4.3	52.0	900
15-17	100.0	98.9	85.2	62.6	43.0	29.2	20.7	11.4	4.2	50.3	900
18-20	100.0	99.9	98.0	88.3	74.2	54.4	34.7	17.1	6.0	61.8	900
21-23	100.0	99.9	99.8	96.8	87.9	73.2	50.9	27.7	8.6	69.1	900
ALL HOURS	100.0	99.8	96.4	88.4	77.3	63.2	46.5	27.5	9.1	65.5	7200

MONTH: DEC

00-02	100.0	100.0	100.0	99.0	92.6	79.4	61.0	36.7	14.8	73.0	880
03-05	100.0	100.0	100.0	98.6	94.7	83.4	63.8	38.1	15.6	74.2	879
06-08	100.0	100.0	100.0	99.3	96.0	84.9	67.4	39.8	17.4	75.1	899
09-11	100.0	100.0	99.3	96.7	86.0	70.5	47.6	27.2	8.8	68.3	909
12-14	100.0	99.4	94.4	79.9	62.2	41.5	25.1	15.8	3.2	56.8	907
15-17	100.0	98.8	92.2	77.0	58.6	39.6	23.5	13.0	3.6	55.1	897
18-20	100.0	100.0	99.0	93.5	80.8	62.7	40.2	20.1	6.5	65.1	879
21-23	100.0	100.0	99.9	97.2	89.9	77.4	55.3	31.1	11.1	70.8	879
ALL HOURS	100.0	99.8	98.1	92.6	82.5	67.3	47.9	27.7	10.1	67.3	7129

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	99.8	98.6	93.5	81.7	65.1	43.7	19.9	74.9	10905
03-05	100.0	100.0	99.9	99.0	95.8	87.2	72.3	51.1	24.4	77.7	10904
06-08	100.0	100.0	100.0	99.3	96.4	87.8	72.1	48.6	23.1	77.3	10923
09-11	100.0	99.9	98.7	92.5	78.6	59.6	38.5	20.6	7.5	64.1	10934
12-14	100.0	99.2	91.2	72.9	52.7	33.6	19.5	10.4	3.5	52.8	10933
15-17	100.0	98.5	87.4	66.7	47.0	29.4	17.6	9.2	3.1	50.4	10921
18-20	100.0	99.8	96.4	86.1	69.4	50.6	31.8	15.6	5.5	60.1	10902
21-23	100.0	100.0	99.6	96.9	88.4	74.1	54.5	33.0	13.4	70.6	10905
ALL HOURS	100.0	99.7	96.6	89.0	77.7	63.0	46.4	29.0	12.6	66.0	87327

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	1021.2	1020.3	1015.9	1013.8	1012.7	1012.8	1014.2	1014.9	1015.8	1017.9	1017.0	1021.1	1016.4
	SD	9.055	9.479	9.166	7.758	6.012	4.417	3.821	4.090	6.117	6.681	8.945	9.703	7.940
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	293	3635
0300	MEAN	1020.9	1020.1	1015.7	1013.6	1012.4	1012.7	1014.0	1014.8	1015.7	1017.7	1016.7	1021.1	1016.2
	SD	9.294	9.481	9.255	7.917	6.174	4.493	3.835	4.119	6.135	6.842	9.058	9.680	8.034
	TOT OBS	310	282	310	299	310	300	310	310	300	310	300	293	3614
0600	MEAN	1020.9	1020.3	1016.0	1014.1	1013.1	1013.3	1014.7	1015.3	1016.3	1018.2	1016.9	1021.1	1016.7
	SD	9.231	9.440	9.370	8.098	6.254	4.679	3.952	4.233	6.181	6.977	9.132	9.517	8.009
	TOT OBS	310	282	310	300	310	300	309	309	300	310	300	293	3633
0900	MEAN	1022.0	1021.4	1016.9	1014.8	1013.6	1013.7	1015.3	1015.9	1017.1	1019.1	1017.9	1022.1	1017.5
	SD	9.206	9.421	9.490	8.247	6.361	4.717	3.938	4.278	6.255	7.132	9.166	9.531	8.135
	TOT OBS	310	282	310	300	310	299	308	310	300	310	300	303	3642
1200	MEAN	1021.6	1021.2	1016.3	1014.2	1013.1	1013.3	1014.7	1015.4	1016.4	1018.3	1017.1	1021.6	1016.9
	SD	9.212	9.414	9.392	8.273	6.270	4.844	3.958	4.261	6.195	7.088	9.197	9.560	8.139
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	303	3645
1500	MEAN	1019.6	1019.1	1014.4	1012.7	1011.9	1012.0	1013.5	1014.0	1014.7	1016.5	1015.4	1019.8	1015.3
	SD	9.085	9.240	8.972	8.103	6.184	4.743	3.827	4.189	6.129	6.946	9.084	9.493	7.906
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	302	3644
1800	MEAN	1020.2	1019.5	1014.4	1012.4	1011.3	1011.1	1012.6	1013.2	1014.4	1016.7	1016.1	1020.6	1015.2
	SD	8.802	9.135	8.686	7.834	5.785	4.622	3.819	4.148	6.115	6.763	8.892	9.333	7.935
	TOT OBS	309	282	310	300	310	300	310	309	300	310	300	292	3632
2100	MEAN	1020.9	1020.4	1015.6	1013.6	1012.2	1012.1	1013.5	1014.4	1015.6	1017.7	1016.9	1021.3	1016.2
	SD	8.896	9.264	8.821	7.602	5.684	4.428	3.815	4.104	6.115	6.766	8.937	9.382	7.897
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	293	3635
ALL HOURS	MEAN	1020.9	1020.3	1015.6	1013.6	1012.6	1012.6	1014.1	1014.7	1015.8	1017.8	1016.8	1021.1	1016.3
	SD	9.127	9.388	9.183	8.016	6.123	4.687	3.953	4.256	6.208	6.946	9.077	9.547	8.033
	TOT OBS	2479	2256	2480	2399	2480	2399	2477	2478	2400	2480	2400	2372	29100

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	30.12	30.10	29.99	29.94	29.92	29.94	29.98	30.00	30.02	30.06	30.02	30.12	30.02
	SD	.254	.264	.260	.220	.171	.127	.109	.115	.171	.188	.254	.272	.219
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	294	3636
0300	MEAN	30.12	30.10	29.98	29.94	29.91	29.93	29.98	30.00	30.02	30.06	30.01	30.12	30.01
	SD	.261	.264	.263	.225	.176	.129	.109	.116	.171	.193	.257	.270	.222
	TOT OBS	310	282	310	299	310	300	310	310	300	310	300	293	3634
0600	MEAN	30.12	30.10	29.99	29.95	29.93	29.95	30.00	30.01	30.03	30.07	30.02	30.12	30.02
	SD	.260	.263	.266	.230	.179	.134	.113	.119	.172	.197	.259	.266	.221
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	293	3635
0900	MEAN	30.14	30.13	30.02	29.97	29.95	29.96	30.01	30.03	30.05	30.10	30.04	30.15	30.05
	SD	.259	.263	.270	.236	.183	.138	.113	.122	.175	.202	.260	.266	.225
	TOT OBS	310	282	310	300	310	300	309	309	300	310	300	303	3643
1200	MEAN	30.14	30.13	30.00	29.95	29.93	29.95	30.00	30.02	30.04	30.08	30.03	30.14	30.03
	SD	.259	.263	.267	.236	.180	.139	.113	.120	.174	.201	.262	.268	.225
	TOT OBS	309	282	310	299	310	300	310	310	300	310	300	303	3643
1500	MEAN	30.08	30.07	29.95	29.91	29.90	29.91	29.96	29.98	29.99	30.03	29.98	30.09	29.99
	SD	.256	.259	.255	.230	.174	.136	.109	.118	.171	.197	.259	.265	.219
	TOT OBS	310	282	310	299	310	300	310	310	299	310	300	302	3642
1800	MEAN	30.10	30.08	29.95	29.90	29.88	29.89	29.93	29.95	29.98	30.03	29.99	30.11	29.98
	SD	.247	.256	.247	.222	.165	.133	.109	.117	.170	.192	.253	.262	.218
	TOT OBS	308	282	310	300	310	300	310	310	299	310	300	293	3632
2100	MEAN	30.11	30.10	29.98	29.94	29.91	29.92	29.96	29.98	30.01	30.05	30.02	30.13	30.01
	SD	.250	.258	.250	.216	.163	.127	.109	.116	.170	.191	.254	.262	.217
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	292	3633
ALL HOURS	MEAN	30.12	30.10	29.98	29.94	29.92	29.93	29.98	30.00	30.02	30.06	30.01	30.12	30.01
	SD	.257	.262	.261	.228	.175	.135	.113	.120	.173	.196	.258	.267	.222
	TOT OBS	2477	2256	2480	2397	2479	2400	2479	2479	2398	2480	2400	2373	29098



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0000	MEAN	28.98	28.96	28.85	28.80	28.78	28.80	28.84	28.86	28.88	28.92	28.88	28.98	28.88
	SD	.247	.256	.252	.213	.166	.123	.106	.111	.165	.183	.246	.263	.212
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	294	3636
0300	MEAN	28.97	28.95	28.84	28.80	28.77	28.79	28.84	28.86	28.87	28.92	28.87	28.98	28.87
	SD	.253	.256	.255	.218	.171	.126	.106	.113	.166	.187	.249	.262	.215
	TOT OBS	310	282	310	299	310	300	310	310	300	310	300	293	3634
0600	MEAN	28.97	28.96	28.85	28.81	28.79	28.81	28.85	28.87	28.89	28.93	28.87	28.98	28.88
	SD	.252	.255	.258	.223	.173	.130	.109	.115	.167	.191	.251	.258	.215
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	293	3635
0900	MEAN	29.00	28.99	28.87	28.83	28.81	28.82	28.87	28.89	28.91	28.95	28.90	29.00	28.90
	SD	.251	.255	.261	.228	.177	.134	.109	.117	.169	.196	.252	.258	.218
	TOT OBS	310	282	310	300	310	300	309	309	300	310	300	303	3643
1200	MEAN	28.99	28.98	28.86	28.81	28.79	28.81	28.85	28.87	28.89	28.93	28.88	28.99	28.89
	SD	.250	.255	.259	.229	.174	.136	.109	.116	.168	.195	.253	.260	.218
	TOT OBS	309	282	310	299	310	300	310	310	300	310	300	303	3643
1500	MEAN	28.94	28.93	28.81	28.77	28.76	28.77	28.82	28.83	28.85	28.88	28.84	28.94	28.84
	SD	.248	.251	.247	.223	.169	.132	.106	.115	.166	.191	.251	.257	.212
	TOT OBS	310	282	310	299	310	300	310	310	299	310	300	302	3642
1800	MEAN	28.95	28.93	28.81	28.76	28.74	28.75	28.79	28.81	28.83	28.88	28.85	28.96	28.84
	SD	.239	.248	.239	.216	.160	.129	.107	.114	.165	.186	.245	.254	.212
	TOT OBS	308	282	310	300	310	300	310	310	299	310	300	293	3632
2100	MEAN	28.97	28.96	28.84	28.79	28.77	28.78	28.82	28.84	28.87	28.91	28.87	28.98	28.87
	SD	.242	.251	.242	.209	.158	.123	.106	.112	.165	.185	.246	.254	.210
	TOT OBS	310	282	310	300	309	300	310	310	300	310	300	292	3633
ALL HOURS	MEAN	28.97	28.96	28.84	28.80	28.78	28.79	28.84	28.85	28.87	28.92	28.87	28.98	28.87
	SD	.249	.254	.253	.221	.170	.131	.110	.117	.168	.190	.250	.259	.215
	TOT OBS	2477	2256	2480	2397	2479	2400	2479	2479	2398	2480	2400	2373	29098



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.4			930	.4			930	.8			930	1.0			930
CATEGORY B	2.9			976	4.2			978	3.1			1002	6.4	.6	.2	992

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.0			930	1.3			930	.2			930	1.3			930
CATEGORY B	7.7	.4	.2	991	6.3	.4		980	3.4	.3	.2	964	3.3	.4		969

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.8			4650	.8			7440
CATEGORY B	5.4	.3	.1	4929	4.7	.3	.1	7852

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.4			846	.5			846	.6			846	1.3			846
CATEGORY B	1.8			899	1.6			916	2.0			967	5.1	.3	.1	936

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	2.8			846	2.2			846	.4			846	1.2			846
CATEGORY B	8.9	1.1	.2	914	8.5	.9	.1	914	3.1			926	3.3			906

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.5			4230	1.2			6768
CATEGORY B	5.5	.5	.1	4657	4.3	.3	.1	7378

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	2.2			930	1.1			930	1.3			930	3.0			930
CATEGORY B	5.8	.2		986	5.6	.3	.2	1007	4.5	.4	.1	1038	9.6	1.0	.4	1034

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	4.5			930	4.4			930	1.6	.1		930	2.6			930
CATEGORY B	14.3	1.9	.2	1018	14.4	2.4	.7	1005	7.3	1.1	.3	1003	6.0	1.0	.1	1002

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	3.0	.0		4650	2.6	.0		7440
CATEGORY B	10.0	1.3	.3	5098	8.4	1.0	.2	8093

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	2.9			900	1.3			900	1.2			900	3.0			900
CATEGORY B	7.2	1.1	.1	960	6.0	.9	.2	967	6.2	.5	.1	968	13.7	.7		955

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	4.3			900	5.3	.1		900	2.9	.1		900	2.2	.2		900
CATEGORY B	17.6	1.6		956	17.1	2.2	.3	953	8.6	2.0	.7	946	6.2	1.1	.3	935

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	3.4	.0		4500	2.9	.1		7200
CATEGORY B	12.6	1.4	.2	4778	10.3	1.3	.2	7640



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.5			930	.1			930	.1			930	1.4			930
CATEGORY B	4.7	.7	.3	1007	1.9			1043	3.5			1071	8.5	1.3	.7	1030

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.8			930	2.4			930	.6			930	.9			930
CATEGORY B	10.5	1.3	.2	1020	10.3	.4		1022	4.7	.1		993	4.6	.7	.1	1006

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.3			4650	1.0			7440
CATEGORY B	7.5	.6	.2	5136	6.1	.5	.2	8192

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			900	.3	.1	.1	900	.2			900	.7			900
CATEGORY B	3.0	.2	.2	954	2.0	.2	.1	991	2.7	.1	.1	988	3.7	.1		955

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.0			900	.9			900	.6			900	.4			900
CATEGORY B	5.4	.3		976	8.2	.2		956	4.5	.3	.3	942	5.5	.2	.2	934

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.7			4500	.6	.0	.0	7200
CATEGORY B	4.9	.2	.1	4817	4.4	.2	.1	7696

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: JUL

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CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)  
.....

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			930	.4			930	.2			930	.2			930
CATEGORY B	1.6	.1		976	.9	.5	.1	1008	1.7			1010	.9			987

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TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A				930	.4			930	.2			930	.4			930
CATEGORY B	3.3	.1		980	5.5			974	2.5	.2	.1	956	2.7	.1		957

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TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.2			4650	.3			7440
CATEGORY B	2.8	.1	.0	4907	2.4	.1	.0	7848

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.4			930	.3			930				930	.3			930
CATEGORY B	2.1	.1	.1	996	1.5	.1	.1	1036	.5			1033	1.7	.1		999

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.4			930	.4			930	.5			930	.3			930
CATEGORY B	2.5	.7	.3	1009	3.2	.5	.3	988	1.9	.1		992	2.2			973

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			4650	.3			7440
CATEGORY B	2.0	.3	.1	5021	1.9	.2	.1	8026

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.1			900	.8			900	.3			900	.8			900
CATEGORY B	3.0	.2		960	2.4			963	2.0	.2		979	4.2			962

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.3			900	.6			900	.1			900	.6			900
CATEGORY B	5.5			952	6.8	.1		947	2.8			962	4.5	.2		955

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.4			4500	.4			7200
CATEGORY B	4.2	.1		4802	3.9	.1		7680

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.0			930	.3			930	.4			930	2.0	.1		930
CATEGORY B	3.2	.1		994	1.8	.2		993	2.4	.1		1036	6.9	.8	.4	1012

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	2.3	.2	.1	930	1.7			930	1.2			930	1.3			930
CATEGORY B	8.4	1.7	.4	986	7.4	1.1	.4	981	4.0	.6	.1	960	5.6	.6	.1	962

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.5	.1	.0	4650	1.3	.0	.0	7440
CATEGORY B	5.8	.9	.3	4975	5.0	.7	.2	7924

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.2			900	.7			900	1.3			900	1.9			900
CATEGORY B	5.1	.3		940	5.4	.2		947	5.2	.4		960	10.4	.7		968

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	3.4			900	1.3			900	1.0			900	1.7			900
CATEGORY B	12.2	1.3	.3	949	9.2	.8	.3	960	5.9	.8		952	5.6	.4		952

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.8			4500	1.6			7200
CATEGORY B	8.6	.8	.1	4789	7.4	.6	.1	7628

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.6			880	.7			879	.3			899	1.2			909
CATEGORY B	3.3	.3	.1	915	3.3	.4		936	2.7	.2		1002	6.1	.4	.1	1016

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.9			907	.4			897	.2			879	.2			879
CATEGORY B	6.8	.6	.1	979	5.3	.4		960	2.4			930	2.2			925

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.8			4491	.7			7129
CATEGORY B	4.7	.3	.0	4887	4.0	.3	.0	7663



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 81 - DEC 90  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	.9			10906	.6	.0	.0	10905	.6			10925	1.4	.0		10935
CATEGORY B	3.6	.3	.1	11563	3.0	.2	.1	11785	3.0	.2	.0	12054	6.4	.5	.2	11846

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	2.0	.0	.0	10933	1.8	.0		10923	.8	.0		10905	1.1	.0		10905
CATEGORY B	8.6	.9	.2	11730	8.5	.8	.2	11640	4.3	.5	.1	11526	4.3	.4	.1	11476

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE25	GE30	OBS	GE15	GE25	GE30	OBS
CATEGORY A	1.3	.0	.0	54621	1.1	.0	.0	87337
CATEGORY B	6.2	.6	.1	58796	5.2	.5	.1	93620



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PP	AAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

## PART H

### DEGREE DAY SUMMARIES

#### DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

#### HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

#### COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 40 - DEC 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1940	1614	955	682	359	107	8		1	56	82	778	920	5562
1941	1006	913	769	210	36	****			54	231	587	824	4630
1942	1106	927	659	206	159	29			131	216	563	1057	5053
1943	1153	744	810	227	172	1	1		44	291	698	1140	5281
1944	925	842	841	459	114	6		1	42	186	575	1113	5104
1945	1016	855	434	366	212	45			81	263	598	1221	5091
1946	964						****	****	****	****	****	****	964
1947	****	****	****	****	****	****	****	****	31	77	770	987	1865
1948	1210	1004	862	175	105	4			33	290	670	993	5346
1949	1346	993	738	353	38				93	220	501	958	5240
1950	1143	812	762	442	46								3205
1956		****	****	****	****	****	****	1	30	102	662	913	1708
1957	1241	770	671	388	99	5			38	314	701	821	5048
1958	1045	1043	883	356	62	5			38	220	543	1055	5250
1959	1262	919	592	345	90	4			58	333	808	811	5222
1960	1139	1121	1088	262	96	9			24	222	614	1023	5598
1961	1106	833	680	479	198	4		4	119	239	721	1232	5615
1962	1293	884	774	394	10	7			82	231	603	965	5243
1963	1419	851	525	232	91			1	16	72	521	1233	4961
1964	939	890	751	258	57	21		10	61	290	570	1097	4944
1965	1037	999	964	249	33			3	100	229	563	785	4962
1966	1182	888	498	380	96			2	81	325	638	1082	5172
1967	1085	891	598	271	246	17	14	12	101	349	716	1001	5301
1968	1167	999	571	358	229	12	1		13	261	757	1129	5497
1969	1202	915	918	299	104	34			17	412	648	1074	5623

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1970	1241	781	776	354	45	23	1		73	368	690	890	5242
1971	1276	1038	691	269	133		****	****	****	****	****	****	3407
1974	****	****	****	****	****	****		5	132	202	618	945	1902
1975	1019	998	861	388	68	14			133	223	593	906	5203
1976	1071	566	623	275	177	4			49	437	908	1084	5194
1977	1453	769	502	203	8				16	239	608	975	4773
1978	1445	1230	746	250	135	3			32	268	632	1060	5801
1979	1576	1225	573	355	134	11	1	4	17	226	703	845	5670
1980	1105	1107	732	387	131	2			48	277	540	894	5223
1981	933	745	592	148	154			1	39	276	503	972	4363
1982	1306	1051	681	396	48	28		1	60	246	702	899	5418
1983	1063	816	657	529	189	26			49	267	613	1546	5755
1984	1243	667	801	424	140	5			124	276	566	879	5125
1985	1301	1077	588	224	45	20			127	239	814	1188	5623
1986	823	829	470	269	67			4	28	266	729	891	4376
1987	1085	670	573	322	30	2		2	33	372	544	917	4550
1988	1190	979	641	326	22	2	5	2	29	357	587	901	5041
1989	831	1165	617	282	101	7			130	273	651	1282	5339
1990	812	778	550	374	152	4		1	42	266	474	****	3453
.....													
MEAN	1155	913	693	321	104	9	0	1	61	256	640	1012	
SD	188.64	150.65	142.76	87.65	62.23	11.16	2.36	2.63	38.14	80.55	95.91	154.23	
****SPL 30YR SUMMATION (1951 -1980)****													
MEAN	1204	938	715	321	106	8	0	1	58	265	652	991	
SD	164.14	159.84	160.02	70.65	65.42	9.11	3.04	3.35	39.21	87.02	93.49	127.56	

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 724550

STATION NAME: FORT RILEY/MARSHALL AAF KS  
LST TO UTC: + 6

PERIOD OF RECORD: JAN 40 - DEC 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1940			7	25	64	307	587	384	237	83			1694
1941				22	187	****	483	452	257	38	5		1444
1942				39	104	278	515	407	210	33	5		1591
1943			15	30	72	353	483	604	127	14			1698
1944					222	359	400	432	179	9	3		1604
1945			6	10	88	144	377	430	205	18			1278
1947	****	****	****	****	****	****	****	****	324	176			500
1948			1	45	67	254	391	412	243	6			1419
1949				13	134	353	491	373	76	60			1500
1950				29	43								72
1956		****	****	****	****	****	****	521	282	79			882
1957				16	51	264	580	515	82	23			1531
1958				2	134	280	371	408	224	58	7		1484
1959				12	148	326	339	537	171		1		1534
1960			1	38	83	252	361	457	238	32			1462
1961				25	65	221	419	371	116	17			1234
1962				20	275	255	411	426	120	85			1592
1963			3	30	134	404	529	476	232	169			1977
1964				21	183	287	545	288	191	14	13		1542
1965				49	169	268	427	349	133	34			1429
1966			2	1	128	380	650	290	94	31			1576
1967			17	30	90	220	272	225	45	43			942
1968			3	6	19	247	379	377	179	57			1267
1969				3	95	178	474	356	153	40			1299
1970				47	204	289	463	488	167	23			1681

1971			3	39	58	430	****	****	****	****	****	****	530
1974	****	****	****	****	****	****	598	272	51	17			938
1975				28	84	263	462	494	121	53			1505
1976			3	27	33	251	439	447	198	20			1418
1977			3	32	180	335	513	355	192	22			1632
1978			10	36	107	373	549	509	336	15	8		1941
1979			8	17	75	268	405	390	228	33			1424
1980				11	83	369	719	587	285	28	2		2084
1981				71	53	326	445	294	162	10			1361
1982				20	81	140	457	394	191	47			1330
1983				3	31	221	519	639	311	30	1		1755
1984				8	57	327	433	483	217	20		1	1546
1985				60	88	164	390	308	193	12			1215
1986			22	31	61	343	513	291	228	7			1496
1987			1	44	157	351	512	392	131	3	7		1598
1988			2	10	150	407	432	484	200	8			1693
1989			13	103	128	232	478	387	122	61			1524
1990			5	32	49	406	451	420	254	46	7	****	1670
.....													
MEAN			3	27	105	292	468	418	187	38	1	0	
SD			5.33	20.58	58.12	74.65	87.70	93.28	71.14	37.71	3.00	.16	
****SPL 30YR SUMMATION (1951 -1980)****													
MEAN			2	23	114	293	471	415	174	40	1		
SD			4.30	14.32	62.74	66.20	109.45	96.74	76.29	35.66	3.40		

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A W S CLIMATIC BRIEF  OCT 91	STATION NAME: FORT RILEY/MARSHALL AAF KS LATITUDE/LONGITUDE: 39 03 N 096 46 W HOURLY OBS POR: JAN 81 - DEC 90 SUMMARY OF DAY POR: FEB 39-MAY 50, FEB 56 -DEC 90 HOURS SUMMARIZED: 0000 - 2300 LST LST TO UTC: +06											FIELD ELEV: 1065 FT STATION MSC: 724550 CALL SIGN: KFRI  SUPERSEDES: SEP 86			
	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	EXTRM MAX TEMP (F)	75	86	90	98	100	110	112	109	112	100	84	77	112	47
	MEAN MAX TEMP (F)	37	43	54	66	76	85	91	89	81	70	54	42	66	47
MEAN TEMP (F)	27	32	43	55	65	74	80	78	69	58	43	32	55	47	
MEAN MIN TEMP (F)	17	22	31	43	54	63	68	67	57	45	32	22	43	47	
EXTRM MIN TEMP (F)	-26	-21	-10	7	27	40	43	45	30	20	-9	-25	-26	47	
D/W TEMP GE 100 (F)	0	0	0	0	#	1	4	3	1	#	0	0	9	47	
D/W TEMP GE 90 (F)	0	0	#	1	2	8	18	16	7	1	0	0	53	47	
D/W TEMP LT 33 (F)	29	24	17	5	1	0	0	0	#	3	16	27	122	47	
D/W TEMP LT 10 (F)	9	4	1	#	0	0	0	0	0	0	1	4	19	47	
HEATING DEGREE DAYS	1155	913	693	321	104	9	#	1	61	256	640	1012	5165	51	
COOLING DEGREE DAYS	0	0	3	27	105	292	468	418	187	38	1	#	1539	51	
MEAN DEWPOINT TEMP (F)	19	22	31	40	52	62	65	64	56	43	31	20	42	10	
MEAN WET BULB TEMP (F)	26	29	39	47	57	66	70	68	61	49	38	27	48	10	
99.95% WCPA (FT)	1650	1650	1800	1700	1600	1450	1350	1350	1500	1500	1750	1650	1650	10	
MEAN REL HUM 07 LST(%)	73.3	75.3	75.7	74.1	79.0	79.0	78.9	80.0	81.0	79.9	76.6	75.1	77.3	10	
MEAN REL HUM 13 LST(%)	53.9	55.1	50.1	47.9	55.6	55.9	50.5	52.7	51.4	52.0	52.0	56.8	52.8	10	
MAX 24HR PRECIP (IN)	1.06	1.50	2.14	5.22	4.83	4.72	4.15	4.76	4.54	5.57	3.71	2.14	5.57	47	
MAX PRECIP (IN)	4.67	2.28	8.60	12.60	9.24	11.31	10.81	9.35	12.38	9.65	5.78	3.01	50.99	47	
MEAN PRECIP (IN)	.87	.98	2.21	2.84	4.37	5.38	3.81	3.73	3.54	2.85	1.49	1.13	34.25	47	
MIN PRECIP (IN)	#	.05	.04	.35	.76	.79	#	.00	.04	#	#	#	15.67	47	
D/W PRECIP GE .01 (IN)	6	6	8	9	10	10	8	8	8	7	6	5	91	47	
D/W PRECIP GT .50 (IN)	1	1	1	2	3	3	2	2	2	2	1	1	21	47	
MAX 24HR SNFL (IN)	12.0	8.0	9.8	3.5	#	0	0	0	0	#	5.1	9.2	12.0	47	
MAX SNFL (IN)	15.3	21.7	17.5	4.5	#	0	0	0	0	#	6.4	13.6	48.9	47	
MEAN SNFL (IN)	5.2	4.3	3.4	.5	#	0	0	0	0	#	1.3	4.3	18.9	47	
D/W SNFL GE .1 (IN)	4	3	2	1	0	0	0	0	0	0	1	3	14	47	
D/W SNFL GE 1.5 (IN)	1	1	1	1	0	0	0	0	0	0	1	1	6	47	
MAX DLY SNO DEPTH (IN)	11	13	19	3	0	0	0	0	0	#	8	10	19	47	
PRVLNG WND DIR (DEG)	\$20-22	\$02-04	\$20-22	\$17-19	\$17-19	17-19	17-19	\$17-19	\$17-19	\$17-19	\$20-22	\$20-22	\$17-19	10	
MEAN WND SPD (KTS)	5	6	7	7	6	5	5	5	5	5	6	5	6	10	
MAX WND SPD (KTS)	51	48	67	62	64	64	60	74	61	55	60	55	74	47	
SKY COVER GT 5/10 (%)	43.1	55.6	56.7	52.2	56.4	53.9	38.1	42.8	41.7	48.6	49.8	51.5	49.1	10	
D/W THUNDERSTORMS	1	1	2	4	8	9	8	7	6	3	1	1	51	47	
D/W FOG (VSBY LT 7 MI)	9	10	10	8	10	7	6	7	9	8	9	10	103	47	
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR./YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY															
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	14.6	20.9	19.7	11.6	11.2	4.4	4.1	6.6	5.2	16.2	18.1	19.4	12.7	10
	03 - 05	13.7	24.2	23.0	13.8	15.5	8.4	6.1	10.9	7.7	19.1	19.2	21.6	15.3	10
	06 - 08	16.2	25.9	26.7	19.6	19.0	10.9	10.0	14.0	12.3	20.1	24.3	27.3	18.9	10
	09 - 11	18.2	23.3	24.4	17.9	19.4	10.6	7.3	12.5	11.3	22.7	23.8	28.6	18.3	10
	12 - 14	17.4	23.0	22.4	17.0	12.3	8.0	4.2	8.6	9.9	19.5	22.0	25.8	15.8	10
	15 - 17	15.4	21.3	20.0	14.4	10.3	4.4	3.0	5.2	8.1	15.8	18.9	22.4	13.3	10
	18 - 20	14.9	18.1	18.0	12.2	6.9	4.0	2.5	3.9	6.6	12.4	16.9	21.4	11.5	10
	21 - 23	15.2	18.0	19.1	12.1	8.8	4.8	2.7	4.7	5.8	13.8	17.0	20.7	11.9	10
	ALL	15.7	21.8	21.7	14.8	12.9	6.9	5.0	8.3	8.4	17.4	20.0	23.4	14.6	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	9.1	15.4	13.0	7.0	6.3	2.7	2.2	4.0	2.8	10.5	11.6	14.0	8.2	10
	03 - 05	9.8	18.8	16.3	8.3	9.2	5.1	4.3	8.0	4.2	12.5	13.9	15.1	10.5	10
	06 - 08	11.2	19.3	17.5	10.6	12.8	7.6	7.1	11.9	8.4	13.8	16.6	18.5	12.9	10
	09 - 11	13.0	17.0	15.8	8.7	8.7	5.4	3.3	8.9	5.3	15.1	15.7	19.1	11.3	10
	12 - 14	10.6	15.7	13.4	7.3	3.5	2.2	1.3	2.5	3.6	9.8	12.7	15.8	8.2	10
	15 - 17	8.9	13.4	11.0	5.8	3.0	1.8	.9	.5	3.6	7.1	11.4	14.4	6.8	10
	18 - 20	9.1	12.6	9.1	4.3	1.9	2.3	.9	1.9	3.2	6.3	9.3	13.2	6.2	10
	21 - 23	8.5	13.7	11.7	5.7	3.8	2.9	1.6	2.5	2.9	8.3	9.8	14.2	7.1	10
	ALL	10.0	15.7	13.5	7.2	6.2	3.7	2.7	5.0	4.2	10.4	12.6	15.6	8.9	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	6.9	10.9	8.7	3.9	3.3	1.7	1.4	1.8	1.6	8.2	5.9	9.2	5.3	10
	03 - 05	7.1	13.6	9.6	4.3	4.5	3.4	2.2	4.6	2.4	9.4	8.1	10.1	6.6	10
	06 - 08	8.6	13.5	10.3	7.0	6.5	4.8	3.5	8.2	4.6	9.8	10.7	11.1	8.2	10
	09 - 11	8.6	13.2	10.0	5.4	3.4	2.3	1.5	3.4	2.9	8.7	8.8	11.8	6.7	10
	12 - 14	6.6	11.3	7.1	3.0	1.4	.4	.4	.3	1.7	4.0	6.6	10.0	4.4	10
	15 - 17	4.3	8.9	6.8	2.6	1.8	.8	.1	.0	.9	3.0	6.8	7.8	3.6	10
	18 - 20	4.8	8.6	5.9	3.0	.8	1.0	.0	.8	1.4	3.5	5.9	8.8	3.7	10
	21 - 23	4.8	9.2	6.6	3.8	1.0	1.4	.4	1.1	1.8	4.8	5.9	9.9	4.2	10
	ALL	6.5	11.2	8.1	4.1	2.8	2.0	1.2	2.5	2.2	6.4	7.3	9.8	5.3	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	.4	1.7	.3	.0	.6	.4	.0	.2	.2	.8	.4	.9	.5	10
	03 - 05	.3	2.2	.6	.4	.6	.8	.2	1.3	.2	1.3	.3	.7	.7	10
	06 - 08	.6	2.1	.9	.9	.9	1.1	.2	1.6	.4	1.8	.6	1.3	1.0	10
	09 - 11	.6	.6	.1	.1	.1	.0	.0	.2	.1	1.0	.6	1.3	.4	10
	12 - 14	.3	.2	.0	.0	.0	.0	.0	.0	.0	.1	.3	1.0	.2	10
	15 - 17	.2	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.2	.1	10
	18 - 20	.0	.8	.2	.0	.0	.0	.0	.0	.0	.0	.1	.7	.1	10
	21 - 23	.1	1.7	.0	.0	.0	.2	.0	.0	.1	.1	.4	1.3	.3	10
	ALL	.3	1.2	.3	.2	.3	.3	.1	.4	.1	.6	.3	.9	.4	10
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : @															

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